

Lancaster Farming

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Four Sections

Lancaster Farming, Saturday, December 3, 1983

\$7.50 per Year

An Avian experience — the story of one family

BY LAURA ENGLAND

LANCASTER — Earlier this year, Warren and Alicia Miller were among the Lancaster County poultrymen enjoying the successes of their layer and broiler house operations.

The Millers were happy with their own egg production and the industry itself. They rejoiced when the markets were high and fought their way through depressed markets.

But the scenario changed, and on Oct. 21, the couple was fighting a different battle - this one against avian influenza which hit Lancaster and five surrounding counties with a deadly impact.

It was Oct. 21. The Miller's poultry manager Dick Zimmerman had just finished his rounds of the four poultry houses and had found what all county poultrymen have learned to fear. Eighty birds were found dead in house number four.

The Millers, who have been in the poultry business since 1979, lost all of their 260,000 layers. Those

concerns and provide input into state programs which will be set up to help the industry survive the effects of the Avian influenza outbreak. Through an ap-

propriation in the agriculture department's current budget \$216,000 is available for indemnity payments to affected farmers."

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Dairy bill signing brings good reaction

BY TRISH WILLIAMS

LANCASTER — President Reagan late Tuesday compromised his free market philosophy and signed into law the much debated dairy compromise bill. The law became effective December 1, causing the milk support price to drop from \$13.10 to \$12.60, and removing 50 cents from the previous \$1 assessment.

Word of Reagan's concession came at a very opportune time, as officials from dairy cooperatives across the country met for the annual meeting of the National Milk Producers Federation in San Francisco.

Lancaster Farming correspondent, Joyce Bupp, who was attending the NMPF meeting reported, Kika E de la Garza, Chairman of the House Agriculture Committee, was addressing the group when he was called from the podium. When he returned he announced that Reagan had just signed the compromise bill into law. He seemed ecstatic, she said. The delegates were excited.

In a telephone conversation with Kathy Gill, spokesperson for Inter-State Milk Producers Cooperative,

also attending the meeting came this report.

"Everyone sighed a breath of relief," Gill said. "Reaction was very positive on the whole. There is a feeling of a very united dairy industry here."

She stressed that the dairy compromise bill developed by the Congress, industry and the Reagan administration, is just that, a compromise. But in that respect is a good piece of legislation.

"It will mean more government intervention in the dairy industry," Gill said on behalf of Inter-State. "We, (the dairy industry) must take this opportunity to get the surplus situation in control so that we are in good shape when it's time to sign the 1985 Farm Bill."

"The monkey is now on the industry's back to take this program and make it work," Gill concluded.

The dairy compromise bill marks the first time that dairy farmers will have the opportunity to receive payment from the government for not producing milk. One of the provisions of the bill establishes a paid diversion

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ASCS announces details of emergency feed plan

BY DICK ANGLESTEIN

HARRISBURG — Farmers eligible for the low-interest FmHA loans in the Pennsylvania counties declared drought disaster areas will be able to participate in an emergency feed program, but they'll have to foot the cost of transporting lower-grade corn a considerable distance.

State ASCS Director Eugene Thompson yesterday announced details of the emergency feed program, which was a part of the new dairy legislation just signed by President Reagan.

The farmers who are eligible for the Farmers Home Administration

loans in the disaster counties will be able to buy the lower-grade CCC-owned corn, which includes No. 4, 5 and Sample corn.

Cost of the corn will be about \$2.18 a bushel, which is 75 percent of the county loan rate, plus transportation costs to bring the grain into Pennsylvania.

The locations of the corn include Texas, Iowa, Minnesota, Nebraska and Illinois.

The signup period in the ASCS offices in the disaster counties will open on Tuesday, Dec. 6 and close on Wednesday, Dec. 14.

County ASCS personnel will

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Public meeting slated Monday

HARRISBURG — State Agriculture Secretary Penrose Hallowell has scheduled a public meeting for farmers whose flocks have been infected by Avian influenza on Monday, Dec. 5, at 2 p.m. in the Farm and Home Center, Lancaster.

Hallowell said he had initiated the meeting at Governor Thornburgh's request to give affected farmers a chance to "voice their

Huntingdon Countian harvests his first husklage crop

BY LAURA ENGLAND

TYRONE — In 1976, Iowa cattleman Bill Manthe was searching for a cheaper, but comparable, feeding ration for his 100-head beef herd, and realizing a solid feeding program at a minimal cost is a must to stay in the cattle business, he decided to try husklage.

Feeding husklage, a silage-type feed made from corn tailings, to cattle is a practice that several cattleman in western states have picked up on and found profitable, Manthe said in a telephone interview. But will the practice work in Pennsylvania and with dairy heifers? A Huntingdon County dairyman is aiming to find out.

Joe Hicks, Tyrone, first learned about husklage and Manthe's operation, Lake View, Iowa, through an article appearing in a trade magazine last October. A dairyman who milks 100 cows and raises 100 heifers and 30 steers on 400 acres, Hicks saw a potential in feeding the corn tailings to his younger livestock.

After a few phone calls, Hicks was on his way to Iowa to meet Manthe in person, view his operation and get first-hand knowledge in processing and feeding husklage. While the concept of feeding "junk" or opportunity feed is not new, the manner in which Manthe chops the corn crop residue is.

Manthe, himself, has been feeding junk feed since 1964, but in 1976 he began feeding the husklage, which is processed through a machine he designed. The machine, called a crop residue collector, hooks up to the combine and collects the tailings. The tailings pass through the residue collector machine where they are chopped into silage-like material and then spewed into a forage wagon hooked up behind.

The first machine Manthe designed mounted on the combine itself. In 1979, a demand for a pull-type machine called for alterations to the original design. The pull-

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Huntingdon County dairyman Joe Hicks, Tyrone, displays the feeding and cutting unit of his pull-type "crop residue collector" machine.

Livestock market and auction news

Lancaster Market

Monday, Nov. 28

Report Supplied By USDA

Cattle Calves Hogs Sheep

Today	809	136	985	189
Last Monday	796	105	828	313
Last Year	875	126	790	182
Monday's Auction	1010	154	992	238
Last Monday's Auction	855	111	817	339

CATTLE: Compared to last Monday slaughter steers 2.00-4.00 higher; few sales heifers 1.00-2.00 higher; cows 50-1.00 higher, or mostly steady with last Wednesday; bullocks not fully tested; bulls 1.00-2.00 higher. Supply included 54% slaughter steers, 10% slaughter heifers, 25% cows, and 11% bulls.

SLAUGHTER STEERS: High Choice and Prime 3-4 1175-1450 lb. 67.25-69.25, few head 69.75-70.25; Choice 2-4 1050-1350 lb. 64.75-69.35, mainly 65.50-67.75; high Good and low Choice 2-3 1100-1350 lb. 62.00-65.00; Good 2-3 57.50-63.50; Choice 1250-1350 lb. Holsteins 53.00-55.50, five head 1360-1660 lb. 60.00-60.50, Good 1200-1400 lb. 50.00-52.75, few Standard 47.00-50.00.

SLAUGHTER HEIFERS: Few Choice 2-3 900-1075 lb. 62.00-63.50; Good 2-3 900-1050 lb. 57.00-60.50, few 800-900 lb. 52.00-56.00; several Good 2-4 900-1200 lb. heiferettes 42.50-46.75.

COWS: Breaking Utility and Commercial 2-4 38.50-41.25, several 41.50-42.50; Cutter and Boning Utility 1-3 36.00-39.50, few 39.50-40.50; Canner and low Cutter 33.50-36.00.

BULLOCKS: Few Choice 1050-1250 lb. 57.25-59.25, couple 62.60-66.00; Good 1000-1250 lb. 54.00-57.00.

BULLS: Yield grade 1 1250-2000 lb. 49.00-53.50, couple 53.50-55.25, two head 1125-1500 lb. 63.25-64.50; yield grade 2 1000-1350 lb. 44.75-50.00, few 43.50-44.75.

VEAL CALVES: Vealers firm to 5.00 higher; slaughter calves 5.00-8.00 higher. Demand fair for Holstein bulls to return to farm. One lot Prime special fed 380 lb. bought to arrive at 120.00.

VEALERS: Choice 160-250 lb. 90.00-105.00, few 105.00-110.00; high Good and low Choice 160-300 lb. 75.00-90.00, 120-160 lb. 60.00-75.00, 90-115 lb. 45.00-52.00, 70-90 lb. 35.00-48.00.

SLAUGHTER CALVES: Good and Choice 250-580 lb. 45.00-58.00.

RETURNED TO FARM: Bulk 100-120 lb. Holstein bulls 60.00-75.00, few 75.00-80.00; 85-95 lb. 50.00-65.00.

SHEEP: Woolled lambs firm to 3.00 higher; slaughter ewes steady. Supply included about 130 goats, sold by the head.

WOOLED LAMBS: Choice and Prime 90-110 lb. 57.00-60.00; Choice 80-110 lb. 50.00-58.00, few 40-60 lb. 55.00-60.00; Good 50-90 lb. 45.00-50.00.

SLAUGHTER EWES: Utility and Good 15.00-25.00.

GOATS: All goats sold by the head, mainly 35.00-40.00, several big billies 45.00-58.00, few kid goats 23.00-30.00.

Vintage Auction

Tuesday, Nov. 29

Report supplied by USDA

Cattle Calves Sheep Goats

Today	1089	1008	13	2
Last Tuesday	977	1	6	
Last Year	1002	952	10	17

CATTLE: Compared to last Tuesday slaughter steers 1.50 to mostly 2.00 higher; slaughter heifers 1.00-2.00 higher; cows fully steady, instances 2.00 higher on Breaking Utility and Commercial, bulls mostly steady. Supply included 518 steers and 518 cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 1250-1475 lb. 67.85-69.25, few 70.00-70.50; Good and Choice 1-2 1175-1450 lb. 68.25-68.75, few 69.75-70.60, couple 71.35-71.85; Choice 2-4 1100-1525 lb. 65.75-68.00, few 68.00-68.60; high Good and low Choice 2-3 1000-1425 lb. 63.50-66.00; Good 2-3 59.00-63.50; Standard 1-2 975-1200 lb. Holsteins 44.50-47.00.

SLAUGHTER HEIFERS: Choice 2-3 1000-1125 lb. 61.50-63.35; Good 935-1200 lb. 58.00-60.50.

COWS: Breaking Utility and Commercial 2-4 38.00-41.00, several 42.00-44.25, couple 45.50-47.00; Cutter and Boning Utility 1-3 35.00-39.50, several 39.50-41.00, couple 41.50-42.75; Canner and low Cutter 32.75-35.25, few 31.00-32.50.

BULLS: Yield grade 1 1500-2135 lb. 48.00-51.25; few yield grade 2 1000-1350 lb. 45.00-48.00.

VEAL CALVES: Vealers mostly steady, although Choice and Prime not fully tested. Supply included 663 in graded sale of which 63 percent sold to return to farm.

VEALERS: Couple Choice 250-285 lb. 96.00-100.00; high Good and low Choice 160-280 lb. 65.00-86.00, 120-140 lb. 55.00-70.00, 80-115 lb. 40.00-49.00 couple 50.00-53.00, 60-60 lb. 35.00-44.00.

RETURNED TO FARM: 60 head 90-105 lb. Holstein heifers 48.00-51.00; few 110-120 lb. 56.00. 230 head 90-125 lb. Holstein bulls 77.00-86.00; 75 head small frame 100-120 lb. 63.00-74.00, with 25 head 100 lb. 48.00 and 25 head 90-95 lb. 47.50.

SHEEP: Insufficient volume for a market test.

GOATS: No test.

Lancaster Auction

Wednesday, Nov. 30

Report supplied by USDA

Cattle Calves Hogs Sheep

Today	494	83	719	20
Last Wednesday	464	20	306	0
Last Year	311	53	633	5
Wednesday's Auction	322	80	640	20
Last Wednesday's Auction	271	20	353	0

CATTLE: Compared to Monday slaughter steers 1.00-1.50 lower, extremes 2.00 lower; slaughter heifers mostly steady; cows steady; bulls fully steady. Supply included 47 percent slaughter steers and 33 percent cows.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1200-1375 lb. 66.00-67.00; Choice 2-4 1100-1400 lb. 63.75-66.00; high Good and low Choice 2-3 1050-1350 lb. 60.75-63.50; Good 2-3 1100-1325 lb. 57.00-61.50; few head Choice 1300-1400 lb. Holsteins 53.75-56.00.

SLAUGHTER HEIFERS: Choice 2-3 900-1230 lb. 58.75-62.25; Good 2-3 900-1050 lb. 53.00-58.50; Good 900-1300 lb. heiferettes 42.00-44.50, few head 44.50-50.00.

COWS: Breaking Utility and Commercial 2-4 38.00-40.00, few 42.00-43.75; Cutter and Boning Utility 1-3 35.75-40.00, few 40.00-42.00; Canner and low Cutter 33.50-35.50.

BULLS: Yield grade 1 1350-1700 lb. 49.75-52.25, individual 2010 lb. 56.25, couple 1385-1425 lb. 60.00-60.25; yield grade 2 1000-1400 lb. 44.50-49.00.

VEAL CALVES: Vealers mostly steady. Demand fair for Holstein bulls to return to farm.

VEALERS: Few high Good and low Choice 160-300 lb. 70.00-75.00, bulk of supply 80-115 lb. 45.00-52.00 couple to 55.00, few 70-80 lb. 35.00-42.00.

RETURNED TO FARM: Bulk 100-120 lb. Holstein bulls 60.00-75.00.

SHEEP: No market test.

New Holland Livestock

Thursday, December 1

Report Supplied by Auction

CATTLE: 1288. Trend not comparable, no market last Thursday because of Holiday. Demand only fair for all classes. Supply included 550 slaughter steers and 569 cows.

SLAUGHTER STEERS: Few

high Choice and prime 3-4 1200-1375 lb. 64.50-66.00; Choice 2-4 1050-1400 lb. 61.75-64.75, mainly 62.00-64.00; high Good and low Choice 2-3 1050-1400 lb. 59.00-62.00; Good 2-3 57.50-59.00; Good and Choice 1200-1650 lb. Holsteins 48.00-52.25; Standard 1-2 46.50-48.50.

SLAUGHTER HEIFERS: Choice 2-3 925-1065 lb. 59.00-62.00; Good 2-3 850-1050 lb. 54.00-58.00.

COWS: Breaking Utility and Commercial 2-4 36.00-39.25, few 39.50-42.00; Cutter and Boning Utility 1-3 33.00-37.00, few mainly early sales 37.50-39.50; Canner and low Cutter 30.00-34.00, several late sales 28.00-30.00.

BULLOCKS: Choice 1000-1375 lb. 54.00-56.25, couple 56.50-58.00, Good 1000-1350 lb. 49.75-52.00.

BULLS: Yield grade 1 1350-1900 lb. 48.00-52.25, couple 52.50-54.25; yield grade 2 1000-1450 lb. 44.00-48.50.

VEAL CALVES: 788. Demand good for high Good to Prime vealers, only fair for high Good and low Choice 70-120 lb. Demand good for Holstein bulls to return to farm.

VEALERS: Choice 150-350 lb. 78.00-100.00, few high Choice and Prime 200-320 lb. 100.00-109.00; high Good and low Choice 160-350 lb. 60.00-85.00, 120-160 lb. 52.00-65.00, 80-115 lb. 38.00-50.00, mainly 40.00-44.00, few 60-80 lb. 35.00-40.00.

SLAUGHTER CALVES: Good and Choice 350-550 lb. 44.00-56.00, few Choice 56.00-64.00.

RETURNED TO FARM: Bulk 100-130 lb. Holstein bulls 68.00-82.00, few 83.00-90.00, several 80-100 lb. 49.00-70.00.

SHEEP: 35. Demand good for Woolled lambs and only fair for slaughter ewes.

WOOLED LAMBS: Choice 65-100 lb. 59.00-63.00; few Good 55-85 lb. 48.00-57.00.

SLAUGHTER EWES: Utility and Good 8.00-18.00.

GOATS: 33. All goats sold by the head, mainly 25.00-39.00, six head 40.00-47.00.

Lancaster Weekly

Friday, December 2

	Cattle	Calves
This Week	4500	2025
Last Week	2280	1111
Last Year	3901	1791

CATTLE: Slaughter steers early

part of week 2.00-3.00 higher, thus advance lost late with closing sales weak to 1.00 lower; slaughter heifers 1.00-2.00 higher; cows closed 2.00-3.00 lower; bullocks mostly steady; bulls closed mostly steady after being as much as 2.00 higher early part of week. Supply included 39 percent slaughter steers, 5 percent slaughter heifers, 32 percent cows, 5 percent bulls, balance mainly feeders.

SLAUGHTER STEERS: High Choice and Prime 3-4 1200-1475 lbs. 64.50-67.50, with early sales 67.50-69.25; Good and Choice 1-2 1175-1450 lbs. 68.00-68.75, few selected 69.00-70.60; Choice 2-4 1050-1400 lbs. mainly 64.75-68.00, with some late sales 61.75-65.00; high Good and low Choice 2-3 1000-1250 lbs. 59.00-63.50, Good 2-3 57.50-61.00; Choice 1250-1350 lb. holsteins 52.50-55.50, 5 head 1360-1560 lbs. 60.00-60.50; Good 1200-1400 lbs. 48.00-52.75; Standard 1-2 975-1250 44.50-48.50.

SLAUGHTER HEIFERS: Choice 2-3 900-1125 lbs. 58.75-62.25, few 62.50-63.60; Good 2-3 900-1050 lbs. 54.00-58.50, few 58.50-60.50, 800-900 lbs. 52.00-56.00; several Good 2-4 900-1300 lb. heiferettes 42.00-46.75.

COWS: Breaking Utility and Commercial 2-4 35.00-40.00, several mainly early part of week 40.00-42.50, Cutter and Boning Utility 1-3 33.00-38.50, several early part of week 38.50-41.00, Canner and low Cutter 31.00-35.50, several late sales 28.00-31.00.

BULLOCKS: Choice 1000-1375 lbs. 54.00-59.25, few early part of week 60.00-66.00; Good 1000-1250 lbs. 50.00-55.00.

BULLS: Yield Grade 1 1250-2000 lbs. 48.00-53.00, few 53.00-55.25; Yield Grade 2 1000-1350 lbs. 44.00-50.00.

VEAL CALVES: Vealers firm to 5.00 higher, slaughter calves 5.00-8.00 higher. Demand fair for holstein bulls to return to farm.

VEALERS: Few high Choice and Prime 200-320 lbs. 100.00-110.00; Choice 150-350 lbs. 80.00-100.00; high Good and low Choice 160-350 lbs. 60.00-85.00, 120-140 lbs. 52.00-70.00, 80-115 lbs. 38.00-53.00, mainly 40.00-45.00, 60-80 lbs. 35.00-42.00.

SLAUGHTER CALVES: Good and Choice 250-580 lbs. 44.00-66.00, few Choice 56.00-64.00.

RETURN TO FARM: Few 90-120 lb. holstein heifers 48.00-56.00; bulk 90-125 lbs. holstein bulls 68.00-86.00, few 86.00-90.00, several 80-100 lbs. 47.00-74.00.

SLAUGHTER STEERS: Few

SLAUGHTER HEIFERS: Choice 2-3 925-1065 lb. 59.00-62.00; Good 2-3 850-1050 lb. 54.00-58.00.

COWS: Breaking Utility and Commercial 2-4 36.00-39.25, few 39.50-42.00; Cutter and Boning Utility 1-3 33.00-37.00, few mainly early sales 37.50-39.50; Canner and low Cutter 30.00-34.00, several late sales 28.00-30.00.

BULLOCKS: Choice 1000-1375 lb. 54.00-56.25, couple 56.50-58.00, Good 1000-1350 lb. 49.75-52.00.

BULLS: Yield grade 1 1350-1900 lb. 48.00-52.25, couple 52.50-54.25; yield grade 2 1000-1450 lb. 44.00-48.50.

VEAL CALVES: 788. Demand good for high Good to Prime vealers, only fair for high Good and low Choice 70-120 lb. Demand good for Holstein bulls to return to farm.

VEALERS: Choice 150-350 lb. 78.00-100.00, few high Choice and Prime 200-320 lb. 100.00-109.00; high Good and low Choice 160-350 lb. 60.00-85.00, 120-160 lb. 52.00-65.00, 80-115 lb. 38.00-50.00, mainly 40.00-44.00, few 60-80 lb. 35.00-40.00.

SLAUGHTER CALVES: Good and Choice 350-550 lb. 44.00-56.00, few Choice 56.00-64.00.

RETURN TO FARM: Few 90-120 lb. holstein heifers 48.00-56.00; bulk 90-125 lbs. holstein bulls 68.00-86.00, few 86.00-90.00, several 80-100 lbs. 47.00-74.00.

SLAUGHTER STEERS: Few

SLAUGHTER HEIFERS: Choice 2-3 925-1065 lb. 59.00-62.00; Good 2-3 850-1050 lb. 54.00-58.00.

COWS: Breaking Utility and Commercial 2-4 36.00-39.25, few 39.50-42.00; Cutter and Boning Utility 1-3 33.00-37.00, few mainly early sales 37.50-39.50; Canner and low Cutter 30.00-34.00, several late sales 28.00-30.00.

BULLOCKS: Choice 1000-1375 lb. 54.00-56.25, couple 56.50-58.00, Good 1000-1350 lb. 49.75-52.00.

BULLS: Yield grade 1 1350-1900 lb. 48.00-52.25, couple 52.50-54.25; yield grade 2 1000-1450 lb. 44.00-48.50.



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AUCTIONS

MONDAY

9:00 A.M. — Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. — Veal Calves, Lambs, Hogs

TUESDAY

10:00 A.M. — Slaughter Hogs
1:00 P.M. — Feeder Pigs

WEDNESDAY

10:00 A.M. — Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. — Veal Calves, Lambs, Hogs

FRIDAY

11:00 A.M. — Stocker and Feeder Cattle
SATURDAY
9:30 A.M. — Slaughter Hogs

FEEDER PIG SALE
TUESDAY, DECEMBER 6

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Out of State Buyers - Cash or Certified Check Only.





HOG MARKETS

Lancaster Hogs

Lancaster Stockyards
Monday, November 28
Report supplied by USDA

HOGS: Compared to last Wednesday barrows and gilts 1.00-2.00 higher; sows .50-1.00 higher, instances 2.00 higher.

BARROWS AND GILTS: US 1-2 210-255 lb. 42.50-43.50, one lot 264 lb. 42.85, 195-210 lb. 41.00-42.00. US 1 210-245 lb. 44.00-45.00. US 1-3 220-270 lb. 41.50-42.50.

SOWS: US 1-3 350-650 lb. 31.50-34.00.

Tuesday, November 29

Today 193
Last Tuesday 120
Last Year 559

TREND: Compared to Monday barrows and gilts 1.50-2.00 lower.

BARROWS AND GILTS: US 1-2 210-250 lbs. 40.75-41.50. US 1-3 255-275 lb. 39.00-40.50.

Wednesday, November 30

HOGS: Compared to Tuesday barrows and gilts mostly steady, instances .50 higher on US 1-2; sows weak to 1.00 lower.

BARROWS AND GILTS: US 1-2 210-250 lb. 41.00-42.00. US 1 210-245 lb. 42.50-43.25. US 1-3 220-260 lb. 38.50-40.50. US 2-3 255-280 lb. 36.00-38.00, one lot 328 lb. 32.75.

SOWS: US 1-3 350-650 lb. 31.00-32.50, few 30.00-31.00.

Westminster Feeder Pigs

Friday, November 25

Report supplied by auction

1164 Pigs: Compared to October Sale, prices were steady to \$5.00 higher. Most advance on 20 to 30 lb. and 50 to 70 lb. All pigs weighed on arrival and sold by the pound.

US 1&2: 89 head 21-29 lbs. 54.00-64.00; 145 head 34-39 lbs. 49.00-60.00; 149 head 42-49 lbs. 43.00-50.00.

US 1: 51 head 40-42 lbs. 54.00-55.00.

US 1&2: 188 head 50-58 lbs. 43.00-49.00.

US 1: 205 head 50-57 lbs. 50.00-54.50.

US 1&2: 127 head 60-67 lbs. 41.00-48.50.

US 1: 73 head 60-61 lbs. 47.00-49.00.

US 1&2: 55 head 71-79 lbs. 42.00-43.50.

US 2: 62 head 35-39 lbs. 46.00-50.50.

New Holland Feeder Pigs

Wednesday, November 30
Report supplied by USDA

Today 504
Last Wednesday 588
Last Year 680

TREND: Compared to last Wednesday feeder pigs firm to 5.00 higher, extremes 10.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 27 head 23-27 lbs. 71.00-77.00; 76 head 30-39 lbs. 61.00-68.00; 131 head 41-49 lbs. 64.00-71.00; 50 head 50-59 lbs. 53.00-66.00; 72 head 60-79 lbs. 53.00-63.00; 13 head 81-100 lbs. 52.00-58.00.

US 2-3: 8 head 24 lbs. 75.00; 33 head 26-35 lbs. 50.00-57.00; 14 head 62-73 lbs. 51.00-56.00.

New Holland Hogs

Monday, November 28
Report supplied by USDA

Today 1443
Last Monday 1686
Last Year 1210

TREND: Compared to last Monday barrows and gilts 1.50-2.00 higher.

BARROWS AND GILTS: US 1-2 210-255 lb. 43.50-43.75, few 44.00-44.25. US 1-3 200-260 lb. 43.00-43.50; 260-275 lb. 41.25-43.00.

Lancaster Hogs

Lancaster Stockyards
Saturday, November 22
Report supplied by auction

900 head.
US 1 220-250 lbs. 42.00-42.85, 70 head 43.00-43.85, 15 head 44.00-45.50. US 1 & 3 220-250 lbs. 41.00-42.00; Sows all wts. 30.00-32.35; Boar hogs 200-250 lbs. 35.00-36.00, 400 lbs. and up 26.75-27.00.

Lancaster Feeder Pigs

Tuesday, November 29
Report supplied by USDA

Today 847
Last Tuesday 1028
Last Year 1200

TREND: Compared to last Tuesday feeder pigs weak to mostly 5.00 lower. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 19 head 26 lbs. 70.00; 30 head 30-39 lbs. 60.00-65.00; 203 head 40-49 lbs. 52.00-62.00; 10 head 42 lbs. 65.00; 288 head 50-59 lbs. 47.00-56.00; 45 head 50-53 lbs. 57.00-59.00; 130 head 60-65 lbs. 47.00-51.00; 8 head 79 lbs. 45.00.

US 2-3: 13 head 43-47 lbs. 45.00-56.00; 28 head 50-90 lbs. 36.00-44.00.

Vintage Hogs

Vintage Sales Stables

Saturday, November 26

Report supplied by auction

280 head.

US 1 & 2 205-242 lbs. 41.60-42.10; US 2 & 3 206-258 lbs. 41.25-41.60; Sows 365-565 lbs. 32.00-36.00; Boar hogs 490-650 lbs. 26.50-29.50.

Indianapolis Hogs

Thursday, December 1

Report supplied by USDA

BARROWS & GILTS: 1600. moderately active, 1.00-1.25 higher. US 1-2 220-250 lb. 40.75-41.25, many 41.00.

SOWS: Active, steady. (6%) US 1-3 400-525 lb. 31.00-33.00.

BOARS: Over 300 lb. 27.00; other weights scarce.

St. Louis Hogs

Thursday, December 1

Report supplied by USDA

BARROWS & GILTS: 6000. Moderately active, weights under 260 lb. .50 higher, over 260 lb. .50 to mostly 1.00 higher. US 1-2 210-250 lb. 40.50-41.00. US 1-3 200-270 lb. 39.50-40.50; 270-290 lb. 38.50-39.50.

SOWS: Steady-.50 higher. (About 10%) US 1-3 300-650 lb. 33.00-33.50.

BOARS: Over 250 lb. 30.25; under 250 lb. 37.50.

Peoria Hogs

Thursday, December 1

Report supplied by USDA

BARROWS & GILTS: 3000. Moderate, .50 higher. US 1-2 220-240 lb. 40.50-41.00; 200-220 lb. 40.00-40.50. US 1-3 220-260 lb. 39.00-40.00.

SOWS: Under 500 lb. .50-1.00 higher, over 500 lb. mostly .50 lower. (19%) US 1-3 300-350 lb. 33.50-34.00; 350-650 lb. 33.00-33.50.

BOARS: Over 350 lb. 30.50; 250-350 lb. 28.50-29.50; under 250 lb. 34.50-35.50.

Westminster Livestock Auction

Westminster, Md.

Tuesday, November 29

Report supplied by auction

BUTCHER COWS: Steady prices. High Yield 39.25-41.00; Standard & Utility 35.00-38.00; Cannors 31.00-35.00; Shelly 31.00 down. Slaughter Bulls- Good 1000-1300 lb. 44.25-45.75; Standard 39.25-41.00. Steers- Few High Choice 1400-1500 lb. 61.25-62.25; Good & Low Choice 1000-1250 lb. 55.00-58.00. Heifers- Choice 1200-1250 lb. 56.75; Good 900-1100 lb. 53.00-55.00.

U.S. Inspected Livestock Slaughter

Estimated Daily	Livestock Slaughter	Under Federal Inspection
CATTLE	CALVES	HOGS
Week to Date (Est.)		SHEEP
481,000	51,000	1,425,000
Same Period Last Week (Est.)		93,000
415,000	39,000	1,122,000
Same Period Last Year (Act.)		79,000
527,000	47,000	1,294,000
		104,000

Chicago Grain Futures

(Closing Bids as of Thursday, December 1)

Mo.	Corn	Wheat	Soybeans	Soybean Meal
Dec.	3.40¾	3.47¾		225.50
Jan.			8.13	
Mar.	3.42½	3.59½	8.29½	229.20
May	3.41¾	3.58	8.36¾	2.29

Trends - All grains stronger.

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Futures Trading

(Closing Bids as of
Thursday, December 1)

Mo.	Chicago Cattle	Chicago Hogs	NY Maine Potatoes
Dec.	63.22	43.17	
Feb.	62.72	47.82	
April	64.75	47.47	
May			638.00

Trends - Cattle and Potatoes slightly lower. Hogs stronger.
Market Provided
by Commodity Department
Dean Witter Reynolds, Inc.

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For market information contact Ken Smoker or Ollie Nagle at 717-397-5136.

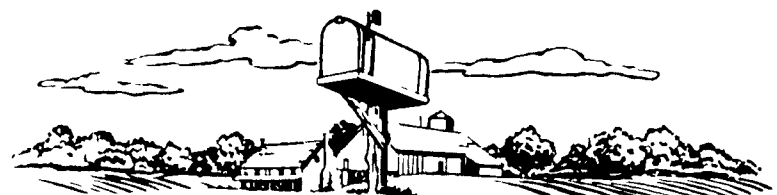
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With The Times



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POULTRY MARKETS



Weekly New York Egg Market

From Friday, November 25 to Thursday, December 1

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	1.04	1.04	1.04	1.04	1.04
Ex Large	1.00	1.00	1.00	1.00	1.00
Large	.99	.99	.99	.99	.99
Mediums	.96	.96	.97	.97	.97
Pullets	.75	.75	.76	.76	.76
Off Grade	.93	.93	.93	.93	.93

BROWN					
Jumbo	—	—	—	—	—
Ex Large	1.14	1.14	1.14	1.14	1.14
Large	1.12	1.12	1.12	1.12	1.12
Mediums	1.06	1.06	1.06	1.06	1.06

Pullets Unquoted
Peewees Unquoted

Off Grade					
Undergrades	.64	.64	.64	.64	.64
Checks	.62	.62	.62	.62	.62

Breaking Stock

Friday - Thursday 21.60-22.20; 22.20-22.50

N.E. Weekly Shell Egg Report

Tuesday, November 29

Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS. X	1.18-1.20	1.17-1.19	1.11-1.13	82-84
Mostly	1.18	1.17	1.11	82
N.HAMP	1.08-1.12	1.07-1.11	1.02-1.06	71-75
Mostly	1.10-1.11	1.09-1.10	1.04-1.05	73-74
R.I.	1.09-1.15	1.08-1.14	1.03-1.09	72-78
Mostly	1.09-1.11	1.08-1.10	1.03-1.05	72-74
VERMONT	1.00-1.15	99-1.15	89-1.10	1.12-1.15
Mostly	1.12-1.15	1.09-1.15	1.04-1.10	—
MAINE	1.17-1.20	1.16-1.19	1.11-1.14	80-83
Mostly	—	—	—	—

X Includes Central and Western Sections only.

Delmarva Poultry

Thursday, December 1

Report supplied by USDA

Market Comment: RTC movement on whole birds is slow to occasionally fair for current deliveries. However some plants have reported a much improved inquiry for next week. Movement on parts is light and unaggressive but leg, leg quarters and wings are starting to move better at lower levels while breasts and cutlets have not appeared to respond at lower values. Slaughter schedules remain moderately heavy. Live supplies are adequate. Weights remain on heavier than desired sides at several plants. Undertone ranges from steady to mostly weak.

Today's L.T.L. asking prices are .02 lower on U.S. Grade A at .55-.60 cents.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 12/1 1,873; Actual 11/24 holiday; Actual 11/29 1,835; Average Weights 11/29 4.45; Average Weights 11/22 4.32.

Philadelphia Eggs

Thursday, December 1

Report supplied by USDA

MARKET COMMENT: Prices are unchanged to higher. Balance unchanged. While cartoned egg orders have tapered from pre-Thanksgiving levels, they are still holding at fairly decent levels. Jumbos and extra large are in excess of needs, and some traders are packing some extra large into large cartons. Large are adequate, and here again some of the lighter weight large are moving into medium cartons. Mediums remain in light supply in most quarters. Locally, the call for eggs is fairly good as some processors try to supplement a loss in production. Offerings of graded loose are adequate, and while some increase is noted in the availability of nest runs, they are still in demand.

Prices to retailers; sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large .96-.98; A Large .95-.97; A Medium .91-.94

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification		DATE	DATE
		Nov. 29 Tuesday	Dec. 1 Thursday
Class 1 - Large	48 lbs.	85	83
Class 2 - Large	45 lbs.	83	81
Class 3 - Medium	42 lbs.	80	80
Class 4 - Small	39 lbs.	70	71
Breaking Stock	48 lbs.	75	75
Checks	48 lbs.	68½	68½

New York Multiple Drop Broiler Report

Thursday, December 1

Report supplied by USDA

Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: U.S. Grade A .55-.62. WTD. AVG.: U.S. Grade A 60.53; Premium (X) Boxes 13.784.

(X) Includes special services, selected competitive brands, etc.

Eastern Pa. & N.J. Poultry

Wednesday, November 30

Report supplied by USDA

Market Comment: Prices unchanged but undertone remains fully steady at current values. Current slaughter schedules remain irregular due to the spotty supply of live birds; however, the supply has increased for next week and processing schedules return to more normal levels. A good call still exists for canners.

Prices Paid at Farm: Light Type Hens: 18-20, mostly 20.

F.O.B. Plant: 23-24, mostly 23.

Heinsey's Poultry Market

Root's, East Petersburg

Tuesday, November 29

Report supplied by auction

RABBITS: 4-6 lbs. range .80-1.00 per lb.

RABBITS: 7-12 lbs. range .50-.70 per lb.

BUNNIES: range .50-1.00 ea.

GUINEA PIGS: range .25-2.50 ea.

GOATS: range 10.00-35.00 ea.

TOTAL NUMBER COOPS: 236.

Belleville Auction

Belleville, Pa.

Wednesday, November 30

Report supplied by PDA

CATTLE 165: Compared with last Wednesday market: Couple Standard slaughter steers 53.00 & 54.25. One Choice slaughter heifer at 57.00, few Standard 40.75-48.50. Utility & Commercial slaughter cows 36.00-39.85, few 41.60, one 44.60, Cutters 34.00-37.25, Canner & Low Cutters 30.00-33.85, Shells down to 25.00. Few Yield Grade #1 1000-1385 lbs. slaughter bulls 40.60-50.85.

CALVES 215: Few Choice vealers 78.00-90.00, Standard and Good 70-100 lbs. 38.00-45.00, few Utility 60-80 lbs. 35.00-40.00.

FARM CALVES: Holstein Bulls 90-130 lbs. 47.00-85.00, mostly 65.00-80.00.

HOGS 247: US No. 1-2 220-265 lbs. barrows and gilts 40.35-41.35, No. 1-3 220-285 lbs. 39.50-40.25. US No. 1-3 400-580 lbs. sows 30.00-34.50. One Boar at 22.50.

FEEDER PIGS 189: US No. 1-3 20-35 lbs. feeder pigs 8.50-16.50 per head, No. 1-3 40-60 lbs. 20.00-24.50, Lot No. 1-3 125 lbs. at 31.00 per head.

SHEEP 23: Few Choice 70-130 lbs. woolled slaughter lambs 40.00-49.00. Slaughter ewes 8.00-16.00.

GOATS 7: Few Large 22.00-31.00 per head. HOLSTEIN DAIRY COWS, FEW \$575.00-\$890.00 PER HEAD.

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Record-Express Office Building

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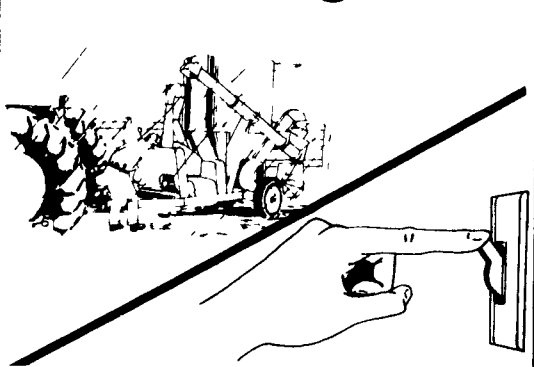
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Pennfield Dairy Days

Monday, December 12 and Tuesday, December 13 — Lancaster, PA

Milk, Coffee, and Doughnuts at 9:30 A.M.

- | | |
|-------------------|--|
| 10:00 a.m. | Pennfield - Leading The Way
Ray Lehr, Manager Feed Marketing Division |
| 10:15 a.m. | Positive Program For Breeding Dairy Cows
Brian Perkins Ph.D., Manager Dairy and Livestock Nutrition. |
| 10:45 a.m. | Preventing Dairy Herd Diseases
Glenn Shirk, Agricultural Extension Agent |
| 11:15 a.m. | Pennfield's New High Performance Feeds
John Fidler, Ph.D., Manager Technical Services |
| 11:45 a.m. | Buffet Luncheon |
| 1:00 p.m. | Cutting Production Costs and Improving Cash Flow
Don Mahlandt, Manager Dairy Feed Sales |
| 1:45 p.m. | Body Conditioning Scoring - A New Tool For Herd Management
Brian Perkins |

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New Holland Hay

New Holland Sales Stables

Monday, November 28

Report supplied by auction

67 loads. All prices steady.

Alfalfa mostly 110.00-140.00, some 1st cutting, 97.00-105.00, few fancy lds. up to 165.00; Mixed Hay mostly 100.00-120.00; Alfalfa-Timothy Mix, 150.00; Timothy 100.00-126.00; Grass Hay 91.00-98.00; Straw 67.00-105.00, mostly 80.00-90.00; Ear Corn new 124.00, 129.00, old 142.00, 144.00.

Frederick Co. Hay

Buckeystown, Md.

Thursday, December 1

Report supplied by auction

49 loads; market steady. Six good to fancy Alfalfa 152.00-181.00, 8 good Alfalfa 132.00-149.00, two fair Alfalfa 112.00 & 125.00; one Alfalfa-Timothy 115.00; Timothy five fair 123.00-129.00; two good Timothy 111.00 & 114.00, four fair Timothy 97.00-106.00; five Mixed 96.00-123.00; two Orchardgrass Mixed 93.00 & 114.00; eight Straw, wheat 66.00-79.00; two barley Straw 60.00 & 72.00; three hardwood 75.00-85.00 cord.

Leinbach's Hay

Shippensburg, Pa.

Tuesday, November 29

Report supplied by auction

33 loads.

Alfalfa 125.00-137.00; Mixed 91.00-117.50; Timothy 109.00-131.00; one Clover 100.00; Straw 50.00-75.00; Ear Corn 130.00-150.00; one Corn Fodder 60.00.

Turkeys will be awarded to highest buyers of hay and straw. Awards will be made on Dec. 20.

Hagerstown Hay

Martin's Elevator

Wednesday, November 23

Report supplied by auction

22 loads.

Alfalfa 119.00-150.00; Alfalfa & Grass 121.00-137.00; Clover & Timothy 95.00-116.00; Timothy 100.00-122.00; Grass, fair quality, 70.00.

Good's Hay

Leola, Pa.

Wednesday, November 30

Report supplied by auction

128 loads.

Corn 122.00-164.00; Alfalfa 99.00-158.00; Straw 72.00-98.00; Corn Fodder 60.00-65.00; Timothy 99.00-118.00; Mixed Hay 72.00-140.00; Oats 2.40 bu.; Firewood 38.00, 41.00.

Kiester's Hay

Middleburg, Pa.

Tuesday, November 29

Report supplied by auction

18 loads of hay.

Alfalfa 120.00; Mixed hay 65.00-100.00; Straw 70.00-80.00.

Regional Hay

Friday, November 25

Report supplied by PDA

(All hay No. 2 and better, prices paid by dealers at the farm and per ton.)

Hay & Straw steady.

Alfalfa 105.00-130.00; Mixed hay 85.00-100.00; Timothy hay 85.00-100.00; Straw 60.00-80.00; Mulch 35.00-55.00.

Pa. Grain

Monday, November 28

Report supplied by PDA

Compared with last Monday's market for Southeastern, Central and South Central PA.: Corn steady to 15 cents lower; Wheat mostly steady, instances 10 cents higher; Barley and Oats steady to strong; New Ear Corn uneven, mostly steady to strong.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 3.70-3.95, average 3.81, 1984 Crop 2.80-2.84; Wheat No. 2 range 3.35-3.80, average 3.61, 1984 Crop 3.35-3.45; Barley No. 3 range 2.50-3.00, average 2.76, 1984 Crop 2.15-2.20; Oats No. 2 range 2.20-2.40, average 2.33; Soybeans No. 1 range 7.46-7.81, average 7.59, 1984 Crop 6.22-6.73; Gr. Sorghum #2 range 3.30, average 3.30; New Ear Corn range 80.00-115.00, average 93.05.

Central Pa.

Corn No. 2-y range 3.70-3.95, average 3.83; Wheat No. 2 range 3.60-4.00, average 3.73; Barley No. 3 range 2.25-2.60, few reported 2.85, average 2.51; Oats No. 2 range 1.80-2.25, few reported 2.45, average 2.08; Soybeans No. 1 range 7.30-7.50, average 7.40; Gr. Sorghum #2 range 3.85, average 3.85; Buckwheat range 8.80-9.00, average 8.93; Old Ear Corn range 103.00-115.00, average 109.25; New Ear Corn range 80.00-90.00, average 84.20.

South Central Pa.

Corn No. 2-y range 3.75-4.05, average 3.50; Wheat No. 2 range 3.25-3.50, average 3.38; Barley No. 3 range 2.25-3.10, average 2.67; Oats No. 2 range 1.80-2.00, few reported 2.50, average 2.00; New Ear Corn range 85.00-110.00, few reported 130.00, average 100.00.

Southeastern, Central & South Central Summary

Corn No. 2-y range 3.70-3.95, average 3.81; Wheat No. 2 range 3.35-3.90, average 3.62; Barley No. 3 range 2.25-3.00, average 2.67; Oats No. 2 range 1.80-2.45, average 2.17; New Ear Corn range 80.00-115.00, average 92.94.

Western Pa.

Corn No. 2-y range 3.50-3.80, average 3.74; Wheat No. 2 range 3.10-3.25, average 3.18; Barley No. 3 range 2.15, average 2.15; Oats No. 2 range 1.50-2.20, average 1.84; Buckwheat range 7.00, average 7.00.

King's Auction

Tuesday, November 29

Report supplied by auction

Alfalfa 112.00-127.00; Timothy Hay 108.00-115.00.

Green Dragon Hay

Ephrata, Pa.

Friday, November 25

Report supplied by PDA

55 Loads Hay and 19 Loads Straw.

Alfalfa 90.00-168.00; Mixed hay 80.00-107.00; Timothy hay 86.00-132.00; Straw 80.00-101.00, few to 118.00; Ear Corn, 7 loads 125.00-141.00; Corn Fodder, 4 loads 47.00-58.00; Oats, 2 loads 2.65 & 2.70 per bu.

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HORSES MULES

11:00 AM

**HAY
STRAW
GRAIN**

**1:30 PM
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CALF, SHEEP,
GOATS**

WEDNESDAY

12:00 NOON

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WEDNESDAY

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THURSDAY

11:00 AM

BULLS -

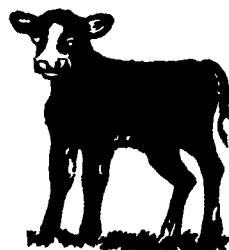


**STEERS -
BEEF COWS**



3:30 P.M.

CALVES



**SHEEP
GOATS**



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Pick-up your check before you leave**

Livestock market and auction news

Carroll County Hay

Westminster, MD
Tuesday, Nov. 8
Report supplied by auction
3 loads.
Dark Timothy 81.00; Wheat straw 65.00.

Tuesday, Nov. 22

7 loads.
Very good alfalfa 153.00; Dark Timothy 71.00; Wheat straw 80.00-90.00; Oak lumber 1x6x8 boards 1.00, 1x6x12 boards 1.40, and 1x6x16 boards 1.90.

Hagerstown Hay

Martin's Elevator
Wednesday, November 30
Report supplied by auction
26 loads.

Alfalfa 145.00-151.00; Alfalfa grass mixed 137.00-145.00; Clover and Timothy mixed 91.00-115.00; Straight clover 115.00; Timothy 109.00-118.00; Mixed grass 110.00-122.50; Straw 57.50-61.00.

Greencastle Livestock

Greencastle, Pa.
Monday, Nov. 28
Report Supplied by Auction
CATTLE: Butcher Steers -

Medium - Good 48.00-58.50; Butcher Heifers - Medium - Good 43.00-53.00; Butcher Cows - Utility - Good 35.00-38.00 few to 41.50; Butcher Cows - Canners and Cutters 32.00-37.50; Butcher Cows - Shells 32.50 down; Butcher Bulls - Medium - Good 43.00-52.35; Stock Steers - Medium - Good up to 58.00; Stock Heifers - Medium - Good 50.00.

CALVES: Medium-Good Calves - 160-220 lbs. 70.00-90.00; Medium-Good Calves - 125-160 lbs. 60.00-80.00; Medium-Good Calves - 100-120 lbs. 50.00-65.00; Medium-Good Calves - 80-100 lbs. 42.50-55.00; Holstein Bull Calves up to 80.00; Holstein Heifer Calves 62.00; Light and Green Calves down to 30.00.

HOGS: Good-Choice Butcher Hogs 190-225 lbs. 37.00-41.85; Good-Choice Butcher Hogs 225-250 lbs. 40.50-41.85; Good-Choice Butcher Sows 400 lbs., up to 36.50; Good-Choice Butcher Sows 400 lbs., up 37.25; Pigs - Per Head 14.00-20.00.

Valley Livestock

Valley Stockyards
Athens, Pa.
Monday, November 28
Report supplied by auction

Holstein Hfr. Calves to 53.00; Veal Calves 60.00-84.00; Vealer Bull Calves 60.00-68.00; Slaughter Calves 35.00-48.00; Grassers & Feeders 34.00-50.00; Lambs 38.00-43.00; Sheep 8.00-10.50; Hogs, 200 to 250 36.00-38.50; Sows 28.00-32.00; Boars 20.00-22.00; Pigs 5.00-18.00; Heifers 36.00-40.25; Steers no top steers; Steers, feeder 36.00-49.50; Bulls 45.00-48.25; Cows, utility 36.50-38.25; Cows, fat 34.00-36.00; Cows, medium 32.00-33.00; Cows, poor or small 25.00-30.00; Cattle Market steady; Calf market steady; Horses small to 145.00; Ponies to 42.50; Goats 10.00-38.00.

Carlisle Livestock Auction

Carlisle, Pa.
Tuesday, November 29
Report supplied by auction
CATTLE: Steers were steady to 2.00 higher; Heifers were steady; Cows were steady to .50 higher and Fat Bulls were 2.00 to 4.00 higher. Steers- Good 56.75-59.00; Holsteins 51.50-55.00; Medium 54.50 down. Heifers- No Choice offered; Good 51.75-52.50; Medium 51.00 down. Cows- Earlybird pen 2.00 higher;

Utility & Commercial 37.00-39.50; Cutter 33.50-37.25; Canner & Low Cutter 32.85-34.25; Shells 31.50 down. Fat Bulls- Good 50.75-52.75; Medium 48.25-49.25.

FEEDER CATTLE: Steers were 3.00 higher; Heifers were 3.00 higher and Bulls were 1.00 higher. Steers- (300-500 lbs.) Good 51.00-55.00; Medium 43.00-49.00. (750-850 lbs.) Medium 41.00-46.00. Heifers- (225-275 lbs.) Good 42.00-49.00; (525-600 lbs.) Good 42.50-46.00; Medium 42.00 down. Bulls- (260-500 lbs.) Good 49.00-53.00; (710-810 lbs.) Medium 44.00-47.00.

CALVES: Active Bidding 5.00 higher! Vealers- Choice 79.00-91.00; Good 65.00-80.00; Standard & Good 50.00-65.00; Standard 45.00-50.00; Light & Weak 44.00 down. Farm Calves- Hol. Bulls to 91.00; Hol. Heifers to 105.00.

HOGS: .50 higher on large run; US No. 1-2 40.85-42.85; US No. 1-3

37.50-41.00; US No. 2-3 36.50-39.50. Sows- 1.00 higher. US No. 1-3 33.50-38.00 (mostly 33.50-35.00) No. 2-3 29.00-34.00. Boars- 24.50-32.50.

FEEDER PIGS: 1.00 to 2.00 higher; No. 1-3 15-20 lbs. 10.00-13.50 head; No. 1-3 25-40 lbs. 14.00-18.50 head; No. 1-3 60-70 lbs. 19.00-20.50 head.

SHEEP: Lambs- steady prices; Good 40.50-46.00; Medium 39.00 down. Ewes- 7.00-13.00. Goats- Small 9.00-25.00 head. Large Goats to 43.00 head.

Special State Graded Feeder Pig Sale. Friday Dec. 9th; 1:30 PM.

Vintage Hay

Vintage Sales Stables
Thursday, December 1
Report supplied by auction
7 loads.
Alfalfa 98.00-108.00; Alfalfa Mix 95.00-98.00; Timothy 112.50; Straw 70.00-89.00.

DAIRY MARKETS



New Holland Dairy

New Holland Sales Stables
Wednesday, November 30
Report supplied by auction
Reported receipts of 149 cows, 35 heifers, and 7 bulls.
Market steady.
Load of Franklin Co. fresh cows 460.00-800.00.
Load of PA Fresh cows 885.00-1300.00.

Load of PA Fresh cows 1300.00, springers 900.00-1550.00.
Load of PA Fresh cows 1075.00-1375.00.
Load of PA Fresh cows 800.00-940.00.
Load of Canada Fresh cows 685.00-1225.00, springers 725.00-1300.00.
Locally consigned cows 380.00-900.00.
Springing heifers 550.00-835.00. Bulls 420.00-700.00.

HIGH PRESSURE WASHING

OF POULTRY HOUSES AND VEAL PENS

BARRY L. HERR

1744 Pioneer Road, Lancaster, Pa.
Phone: 717-464-2044



Green Dragon Livestock Sales

1 Mile North of Ephrata, PA

COWS COWS COWS
BUYERS FROM 3 STATES

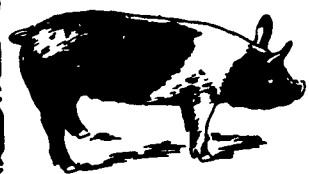
Regular consignments from Bob Kennedy & Ed Stover plus 15 other local consignors.
Lots of good Northern Feeders and Stockers.

SALE EVERY FRIDAY

Bulls, Steers, Slaughter Cows, Lambs and Veal Calves
11:00 A.M. - Beef Sale Stockers & Feeders 200 to 250 each week.
12:30 P.M. - Dairy Cows
7:00 P.M. - Small Animal Sale

For Special Sales and Herd Dispersals on the farm or at our barn or other market information call: Office 717-733-2444.

WALTER H. RISSER, Proprietor



EMERY'S BUYING STATION

OPEN TO RECEIVE
YOUR MARKET HOGS

AT THE GREEN DRAGON MARKET
RD 4, EPHRATA, PA 17522
1 MILE NORTH OF EPHRATA
ON NORTH STATE STREET.

HOURS
MONDAY, TUESDAY, and
WEDNESDAY
6:00 A.M. to 11:30 A.M.

215-458-5677 Residence
717-733-9648 Office

YOU ARE PAID FOR YOUR
HOGS IMMEDIATELY

Ken & Lois Emery, Proprietors

For quotations of next week's prices
call collect 215-488-7617

PA WATTS NUMBER
800-342-2249

LESS LABOR

VERY
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LESS DOA'S

LESS COND.

Buyers of Leghorn Fowl

SECHLER'S POULTRY, INC.

Box G, Strausstown, PA 19559

SCOTT SECHLER

RICHARD SECHLER

NELSON LEGG

PIGS

"STATE GRADED"
FRI., DEC. 9th
1:30 P.M.
GRADING
8:00 A.M.-12 NOON
CARLISLE
LIVESTOCK
MARKET, INC.
Exit 12 Off I-81
(717) 249-4511 or
Evenings Jim, 249-2359

BEEFALO FOR SALE

-Semen in stock
-1/2, 3/4, 7/8 animals
BEEFALO
N & J

4270
Quakerbridge Rd.
Princeton, NJ 08540
609-896-0336

THE OLD FARMER'S ALMANAC

DEC. 5-11, 1983

Everyone's humming, Christmas is coming.

Don't forget to feed the birds. Average length of days for the week, nine hours, 11 minutes. First jet service in U.S. began Dec. 10, 1958. Japanese bombed Pearl Harbor Dec. 7, 1941. Prohibition repealed by 21st amendment to United States Constitution Dec. 5, 1933. Indiana became 19th state Dec. 11, 1816. Earthquake in Naples killed over 30,000 Dec. 5, 1456. Spanish-American War ended Dec. 10, 1898. Never ask of money spent where the spender thinks it went.



of the same is still sold today
Home Hints Iron needlework on the wrong side

OLD FARMER'S WEATHER FORECAST

New England: Cold continues, with light snow through midweek, flurries give way to milder weather at end of week.
Greater New York-New Jersey: Clearing but still cold to start, very cold midweek, chance of snow, weekend cloudy, milder.
Middle Atlantic Coastal: Cold snap begins week, chance of snow followed by sunny, mild weather very end of week.

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HORSE MARKETS

New Holland Horse

New Holland Sales Stables
Monday, November 28
Report supplied by auction
Reported receipts of 188 head of horses, mules, and ponies.
Market: steady.

LOCAL
Better horses 300.00-500.00.
Driving horses 250.00-775.00.
Riding horses 175.00-275.00.
Lightweight killers 190.00-250.00;
Heavyweight killers 275.00-400.00.
Mares 20.00-65.00; Colts 10.00-20.00; Geldings 20.00-65.00.
Larger ponies 125.00-200.00.

EXPERT REPAIRS PARMAK FENCERS



- GENERATORS
- STARTERS
- ALTERNATORS

PEQUEA
BATTERIES



Ronks, PA

VINTAGE SALES STABLES, INC. AUCTIONS

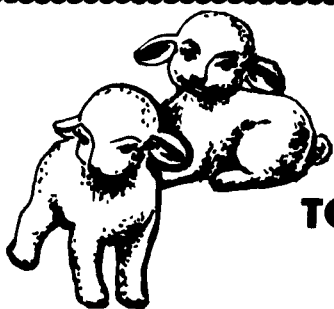
Starting
THURSDAY, NOV. 3, 1983

Every Thursday at 1 P.M.
HAY, STRAW & GRAIN

Sold on Commission

10 miles east of Lancaster, 8 miles west
of Coatesville on Rt. 30, Paradise, PA.

L. Robert Frame, Manager
For information
717-442-4181
215-458-8518



AN IMPORTANT NOTICE TO ALL CONSIGNORS OF LAMBS —

With Christmas December 25th we recommend that your lambs for the Christmas trade be consigned on Monday, December 19th. All lambs will be sold at auction beginning at noon and will be sorted and weighed upon arrival.

Keep in mind this Monday for consigning your lambs December 19th, and your consignments are respectfully solicited. Sorting and weighing will begin at 5 A.M.

For further information contact Ken Smoker area 215-593-2123 (residence) or area 717-397-5136 (office).

Walter M. Dunlap and Sons
Lancaster Stockyards

Livestock market and auction news

Peoria Cattle

Thursday, December 1

Compared to last week slaughter steers 2.00, instances 3.00 to 4.00 higher. Heifers 1.50, instances 2.50 to 3.50 higher. Trade active during the week with buying interest aggressive for numbers. Good demand noted for all weights and grades in response to the storm related market conditions. Majority of supply good and choice 2-4 steers and heifers with 17% cows and bulls. Receipts this week about 2000 as compared to 1350 a week ago and 4703 a year ago.

SLAUGHTER STEERS: 2 part loads choice 3 1100-1205 lbs. 63.00-64.00. Choice 2-4 1050-1250 lbs. 61.00-62.00 950-1050 lbs. 60.00-61.00. Good and Choice 2-3 950-1200 lbs. 58.00-60.00. Good 54.00-58.00.

HOLSTEINS: Good and Choice 2-3 1100-1350 lbs. 51.00-55.00.

SLAUGHTER HEIFERS: Few lots and several loads choice, mostly YG 3 1000-1100 lbs. 61.00-62.50. Choice 2-4 950-1050 lbs. 59.00-60.00, 850-950 lbs. Including few lots mostly 3-4's 58.00-59.00. Good and Choice 2-3 850-1000 lbs. 57.00-58.50. Good 52.00-57.50.

COWS: Breaking Utility and Commercial 2-4 35.00-37.00. Cutter and Boning Utility 1-3 35.00-40.00. Canner and Low Cutter 1-2 30.00-36.00.

BULLS: YG 1-2 1200-1700 lbs. 43.00-46.00. 1100-1300 lbs. 36.50-41.50.

Keister's Livestock

Middleburg, Pa.

Tuesday, Nov. 29

Report Supplied by Auction

CATTLE 266. Choice slaughter steers 62.00-66.10, Good 57.00-62.50, Standard 52.00-57, Utility 48.00-52. Choice slaughter heifers 61.00-63.35, Good 55.00-60.75, Standard 50.00-55, Utility 42.00-50. Utility & Commercial slaughter cows 37.00-43.10, few 45.60, Cutters 34.00-38.75, Canner & Low Cutters 28.00-33.75, Shells down to 25.00. Good slaughter bullocks 48.00-52.50, Utility 44.00-48.00. Yield Grade #1 1200-1890 lbs. slaughter bulls 46.00-52, #2 800-1200 lbs. 42.00-46.00.

CALVES 175. Choice vealers 75.00-87, Good 60.00-75, Standard & Good 90-110 lbs. 45.00-58, Utility 70-90 lbs. 32.00-45.00.

FARM CALVES: Holstein Bulls 90-120 lbs. 60.00-69.00.

HOGS 410. US No. 1-2 210-230 lbs. barrows and gilts 41.00-43.10, No. 1-3 210-250 lbs. 39.00-40.85, No. 2-3 200-265 lbs. 38.50-39.50. US No. 1-3 360-500 lbs. sows 32.00-37.85, No. 2-3 300-500 lbs. 30.00-32.00.

FEEDER PIGS 150. US No. 1-3 10-25 lbs. feeder pigs 12.00-22 per head, No. 1-3 25-50 lbs. 22.00-35.50 per head.

SHEEP 9. Prices not established.

Greencastle Livestock

Greencastle, Pa.

Monday, Nov. 21

Report Supplied by Auction

CATTLE: Butcher Steers - Choice 59.75-63.00; Butcher Steers - Medium - Good 55.00-59.00; Butcher Heifers - Choice 57.00-60.00; Butcher Heifers - Medium - Good 52.00-57.00; Butcher Cows - Utility - Good 36.25-38.75; Butcher Cows - Canners and Cutters 30.00-36.00; Butcher Cows - Shells down to 25.00; Butcher Bulls - Medium - Good 43.75-49.00; Stock Steers - Medium - Good 50.00-58.25; Stock Heifers - Medium - Good up to 43.00.

CALVES: Medium-Good Calves - 160-220 lbs. up to 87.00; Medium-Good Calves - 80-100 lbs. 42.00-47.00; Holstein Bull Calves - 50.00-85.00; Light and Green Calves 42.00-down.

SHEEP and LAMBS: Medium-Good Lambs 40.00-45.00.

HOGS: Good-Choice Butcher Hogs 190-225 lbs. 40.00-40.75; Good-Choice Butcher Sows 400 lbs., down 30.00-38.50; Good-Choice Butcher Sows 400 lbs., up 34.00-36.00; Heavy Boars up to 23.00; Light Boars up to 24.00; Pigs - Per Head 10.00-17.00.

Sale every Monday 6 P.M.



ATTENTION YORK CO. FARMERS

Looking!!! for Quality
Hogs

Every Monday
HATFIELD PACKING CO.

BUYING STATION AT

SECHRIST SALES CO.

LIVESTOCK AUCTION

R.D. 1 Stewartstown, PA

..Top Select Price on #1 & 2 Hogs 215 - 245 lbs.

.. We will receive your hogs from 6 A.M. until ???

.. Your hogs will be weighed & paid for immediately

.. There will not be a commission or yardage fee

.. You may call our office Monday morning for base price

.. Please give us a chance to market your hogs

FOR INFORMATION CALL
717-993-6130

Kills rats and mice!

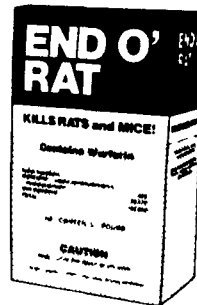
End O' Rat works fast to kill unwanted rats and mice. Completely safe for use around the home, farm or factory buildings. End O' Rat is specifically formulated to appeal to the natural feeding habits of rats and mice. And End O' Rat contains Warfarin—for proven effectiveness. Put End O' Rat to work for you today!

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ATTENTION FARMERS

EVERY MONDAY
**HATFIELD PACKING CO. and
MOYER PACKING CO.**

Will Receive Your
Hogs and Cattle at the

DANVILLE LIVESTOCK MARKET

RD4, Danville, PA

- We will receive your hogs from 8 AM to 12 Noon every Monday. Your hogs will be weighed and paid for immediately.
- We will also accept your sows & boars.
- Your cattle will be received from 12:30 to 5 P.M. We will either pay you for your cattle immediately or you may sell them dressed weight.
- There will not be a commission or yardage fee deducted from your check.
- You may call our office Monday morning and we will be able to tell you the base price for hogs for the day.

MELVIN M. LEHMAN - Owner
Danville Buying Station
Phone: 717-275-2880

FRIDAY, DECEMBER 23 ON THE FARM MONTHLY

BRED GILT SALE

Sale to Start Promptly at 1:00
Every 4 Weeks

Located 18 miles south of Lancaster, Pa., 6 miles south of Quarryville, take Rt. 272 to Little Britain, turn north, follow Little Britain Road to Jackson Road, 2nd farm, OR take Rt. 222, out of Quarryville to Cedar Hill Road to Little Britain Road to Jackson Road. Watch for sale arrows.

50 to 60 Head

Now selling our new hybrid gilts representing mostly York & Hampshire & Landrace cross. Bred for easier & less trouble over farrowing and better weight gains.

Validated Brucellosis Free Herd #169
Qualified Pseudorabies Free Herd #55

Hand mated with Breeding Dates

Local Trucker Available
No Hogs Sold On Commission

CHRIST A. BEILER

R.D. 2, Quarryville, Pa

JOHN B. STOLTZFUS

R.D. 1, Kirkwood, Pa

Abe Dittenbach, Auctioneer

NEXT SALE DATE JANUARY 20



Livestock market and auction news

Virginia Auction Summary

November 24-30

Report supplied by VDA

Total of Va. Weekly Feeder Cattle Auction Receipts: 6,306.
TREND: Steady to \$3 higher.

Southwestern, Va.

Auction Summary

November 24-30

STEERS: 300-500 lbs. Medium 1 62.00-70.50; Large 1 57.00-68.00; Small 1 54.00-65.00. 500-700 lbs. Medium 1 55.00-68.00; Large 1 54.00-67.50; Small 1 45.00-58.00. 700-1000 lbs. Medium 1 46.75-57.75; Large 1 48.00-58.25; Small 1 42.50-53.50.

HEIFERS: 300-500 lbs. Medium 1 44.50-46.00; Large 1 46.25-58.00; Small 1 45.00-55.00. 500-700 lbs. Medium 1 40.00-53.00; Large 1 44.00-54.00; Small 1 40.00-51.50; 700-900 lbs. Medium 1 40.00-48.00; Large 1 42.00-49.00.

Northern Va.

Auction Summary

November 24-30

STEERS: 300-500 lbs. Medium 1 54.00-67.00; Large 1 59.00-82.50; Small 1 46.00-57.50. 500-700 lbs. Medium 1 51.00-63.50; Large 1

53.00-60.50; Small 1 48.50-57.00. 700-1000 lbs. Medium 1 50.00-60.25; Large 1 52.25-60.00; Small 1 43.00-52.75.

HEIFERS: 300-500 lbs. Medium 1 43.75-54.50; Large 1 42.50-53.00; Small 1 39.00-49.00. 500-700 lbs. Medium 1 42.00-53.50; Large 1 44.00-46.50; Small 1 37.50-44.00. 700-900 lbs. Medium 1 38.00-47.00; Small 1 33.00-39.00.

Southeast Va.

Auction Summary

November 24-30

STEERS: 300-500 lbs. Medium 1 55.00-61.50. 500-700 lbs. Medium 1 56.50-60.25. 700-1000 lbs. Medium 1 45.00-54.00.

HEIFERS: 300-500 lbs. Medium 1 42.50-48.50; Large 1 48.00-49.00. 500-700 lbs. Medium 1 42.00-46.50. 700-900 lbs. Medium 1 40.50-42.00.

Shenandoah Valley Livestock

Harrisonburg, Va.

Saturday, November 26

Report supplied by auction

FEEDER CATTLE: Trend: Steady (All classes). Steers: M&L-1 300-500 lbs. 57.00-64.00; 500-700 lbs. 54.00-60.75; 700-1000 lbs. 55.00-60.25; Holstein 300-1000 35.75-43.00.

S-1&M&L-2 300-500 lbs. 50.00-57.50; 500-700 lbs. 47.50-57.00; 700-1000 lbs. 54.00-57.50. Feeder Bulls: M&L-1 300-500 lbs. 50.00-61.00; 500-700 lbs. 45.00-53.00; 700-1000 lbs. 48.50-49.50. S-1&M&L-2 300-500 lbs. 45.00-50.00; 500-700 lbs. 44.00-47.00. Heifers: M&L-1 300-500 lbs. 43.00-53.25; 500-700 lbs. 42.00-49.75; 700-800 lbs. 38.50-46.00. S-1&M&L-2 300-500 lbs. 40.00-43.00; 500-700 lbs. 38.00-41.00. Stock Cows: Baby Calves-30.00-70.00, mostly 45.00.

SLAUGHTER CATTLE: Steers-Good 2-3 54.00-56.35.

SLAUGHTER COWS: Trend. Utility & Commercial 2-4 30.00-40.50; Canner & Cutters 1-3 29.75 and down.

SLAUGHTER BULLS 1 & 2 47.75-49.25.

LAMBS: Trend- \$1.50 higher. High Choice & Prime 52.50; Choice 48.50; Feeder Lambs Choice 52.00; Slaughter Ewes 8.00-12.00.

HOGS: US 1-3 200-240 lbs. 40.00. Sows 1-3 28.00-37.50. Boars 26.50.

VEAL: Choice & Prime 60.00-62.00; Good 50.00-55.00.

SLAUGHTER CALVES: Good & Choice 45.00-50.00.

Westminster Livestock Auction

Westminster, Md.

Tuesday, November 22

Report supplied by auction

BUTCHER COWS: Smaller run, prices steady. High Yield 39.00-40.00; Standard & Utility 36.00-39.00; Cannors 31.00-36.00; Shelly 30.00 down. Slaughter Bulls-Medium 1200-1500 lb. 41.00-44.00, one 1980 lb. to 45.75. Fed Steers-Good demand! Choice 60.00-63.00; Good 50.00-56.00; Holsteins 48.00-52.00. Fed Heifers-Choice 800-900 lb. 56.00-59.50; Good 52.00-56.00.

BUTCHER HOGS: Good demand for US #1&2 hogs. US #1&3 215-270 lb. 37.50-37.75. US 1&2 210-270 lb. 39.00-40.00; 280-330 lb. 34.00-36.00. Sows-300-450 lb. 31.25-32.50; Thin 23.00-28.00. Boars 380-550 lb. 24.50-25.00.

VEAL CALVES: Steady to 2.00 lower. Good & Low Choice 58.00-70.00; Standard 45.00-55.00; Stocky & Thin 25.00-45.00; Killers 80-100 lb. 40.00-48.00; Weak & Rough 39.00 down.

CALVES RETURNED TO FARM: Bulls 10.00 lower. Holstein

Heifers- Few 85-105 lb. to 49.00. Holstein Bulls- 85-120 lb. 50.00-70.00.

LAMBS: Good 80-100 lb. 33.00-37.00; Sheep 10.00-20.00; Goats 20.00-51.00 per head.

STOCK CATTLE: Good run, 100 head. Steers- Few Good to 53.50; Medium 45.00-48.00. Heifers- Good 40.00-47.00; Medium 35.00-40.00. Bulls- Good Lighweights 49.00-56.00.

PIGS AND SHOATS: Scarce, prices 3.00 higher. By the Head- 30-60 lb. 16.00-22.00. By the Lb.- Few 140-150 lb. 31.00-36.00.



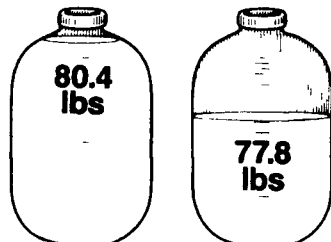
Turn her ninety most stressful days into her ninety most profitable days

Agway Fresh Cow Plus™ gives you four benefits that add up to extra profits

1. Tests prove 2.6 lbs more milk per day during the first 90 days

During the first 90 days of lactation your cows experience their highest levels of stress—stress that can severely limit production.

However, Agway Fresh Cow Plus can help minimize stress during this critical time, and maximize profits. Fresh Cow Plus is formulated according to the Agway-patented protein solubility program, and fortified with the critical vitamins and minerals your cows need during early lactation. This special nutritional package boosted production by over two and half pounds of milk per day during the first 90 days. That translates to 460 pounds more milk over the entire lactation.



Trials conducted with 983 cows in 45 Northeastern herds

2. Reduces cases of cystic ovaries over 30%

4.4%
Cows fed
Fresh Cow Plus

6.5%
Control Group

Fresh Cow Plus also helps minimize another stress related problem—cystic ovaries. In tests, cows fed Fresh Cow Plus developed 32% fewer cases of cystic ovaries than the control group. That means better reproductive performance.

3. Reduces time to first-observed heat

Cows fed Fresh Cow Plus also developed their first-observed heat earlier. And the earlier and stronger your cows show their first heat, the easier it is to get them bred and pregnant.

In tests, cows fed Fresh Cow Plus reached their first observed heat four days earlier than the control group.

JUNE											
			1	2	3	4					
5	6	7	8	9	10	11					
12	13	14	15	16	17	18					
19	20	21	22	23	24	25					
26	27	28	29	30							

4. Increases profits over feed costs by \$18.50 per lactation



Most importantly, Agway Fresh Cow Plus can improve your financial bottom line. In tests, cows fed Fresh Cow Plus produced enough extra milk to pay for the supplement and add \$18.50 extra profits per cow.

When you count the higher milk yield, extra profits and better reproductive performance, the benefits of Agway Fresh Cow Plus add up rapidly. For more information about how Agway Fresh Cow Plus can improve performance and reduce stress during early lactation, contact your Agway Farm Enterprise Salesperson, Store or Representative.

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Every Tues. and Thurs.
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GAP AUCTION

FRIDAY EVE., DEC. 9
5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge.

ANTIQUES AND HOUSEHOLD GOODS
SOLD AT EVERY AUCTION

Several Hubley toys in the original boxes, Edison cylinder record player with morning glory horn, royal Dalton plates, Christmas plate & several antiques.

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FROM 8:00 A.M. to 7:00 P.M.

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IRA STOLTZFUS & SON, Auctioneers

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CONDUCTORS ALL TYPES PUBLIC SALES



Christmas on farm

Part I

BY DICK ANGLESTEIN

(This is the first segment of a four-part holiday message from a Christmas on a small Pennsylvania farm a number of years ago.)

It was a small farm by today's standards. Three cows, a few pigs and some chickens. It's the kind of a farm that people like to remember they were from. But if you plopped it down in the middle of today's modern ag operations, it would stand out like a sore thumb. It would be outdated, archaic and couldn't begin to make it.

But life on the farm was a lot different back then. Life on the farm was filled with lessons. Hardly a day went by that a living lesson for later life wasn't experienced. And Christmas was no exception.

Fields were postage-stamp sized -- hewn from the surrounding woods and partitioned with countless uncovered rocks. A central rock-lined corridor led off from the barn and the fields and meadow branched off from it.

Today, this layout is cited as inefficient and a waste of land. Back then though, individual character of a farm molded by practicality was considered more important than maximum fence-row productivity.

Even the smallest boy could easily chase the cows back up the access corridor to the barn and many an adventure was experienced in climbing over those walls.

The chickens ran freely from hen house down the wood ramp into the fenced-in yard that stretched off into the partially cleared woodland.

That chicken house was the source of a pre-Christmas ritual in which the small boy and father participated. They delivered dressed chickens to city and town folk for their holiday dinner tables. For the father, the holiday chicken route provided a little extra for the family's holiday and the boy, although he admitted it only to himself, liked to tag along for the extra treats he often received.

And, part of that ritual included a stop at the small abode of a retired carpenter, who repaired and nailed together the assortment of boxes and crates in which the dressed birds were delivered.

To everyone, he was the "old German." Few



had ever heard him speak any English.

One of the early stops on the first day of deliveries was the big, brightly-painted house of the foreman of the mill in the nearby town. It was one of the boy's "treat" stops.

Sure enough, the wife of the mill foreman had a shiny, new nickel for the boy. Quickly, he secreted it in a pocket of his well-worn jacket -- handed down from an older brother.

As the father turned the old pickup truck into the lane after a day of deliveries, the boy slipped off his mitten. Throughout the day, he had spent the coin a hundred times in his mind.

"Its gonna burn a hole in your pocket," the father warned.

When he slipped his little hand into the pocket all he found was emptiness and a small hole in the corner where the coin had been.

That night, the boy could hardly eat. After spending the coin over and over in his head, he would never get to really spend it.

As the family sat around the supper table, the father asked:

"Do you go along merely for the treats or to help deliver something that will make Christmas a little better for both us and others?"

"Spending money in your mind often buys only one thing -- empty worthless thoughts.

"Before you got the coin, your head was filled with a happy holiday.

"Now, you can only think of what might have been and of what you might have bought.

"What did you really lose -- you're no poorer than when we left this morning."

The father's words failed to get through and comfort the little boy.

In his youthful mind, he could only think of tomorrow's route and the other possible treats he might get.

PART II -- NEXT WEEK

p.m. at Thompson's Dairy Bar, Newton, Lackawanna County.

Wednesday, Dec. 7

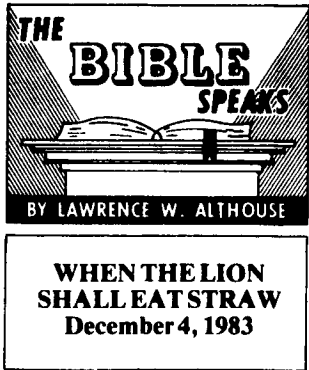
Lancaster Conservation District meeting at 7:30 p.m. at the Farm and Home Center.

Market Outlook Conference (PFA) at the Farm Show Complex, Harrisburg. Continues tomorrow.

Regional no-till meeting at the Berks County Ag Center.

Hunterdon County, N.J., Board of Agriculture meeting at 8 p.m. at the Extension Center.

(Turn to Page A12)



Background Scripture:

Isaiah 2:1-5; 62; 65:17-25.

Devotional Reading:

Isaiah 65:17-25.

I am glad that R was not President of the United States on that September day when the Soviet Union shot down Korean Airlines flight 007 and wantonly killed its 269 passengers.

I am glad because, upon learning of this terrible crime, my reaction rose up from the depths of the same human emotions that have perpetuated the ancient tragedy of demanding "an eye for an eye and a tooth for a tooth." And, although that emotion is entirely understandable and hallowed by the civilization in which we live, one does not have to be blessed with great wisdom or prophetic powers to see where it has brought us -- not to mention where it could still take us.

PLOWSHARES AND PRUNING HOOKS

I am very grateful that President Reagan, although shocked and outraged with the rest of us, was able to withstand those emotions and lead this nation in a response that did not compound one tragedy with yet another. For, when the first tides of anger and horror recede, most of us realize that a vengeful response can only

plunge us deeper into tragedy. While experts may argue whether a nuclear war would kill all humanity or just a portion, all of us are aware that we live on the brink of our own self-destruction.

As never before in our history, we are torn between two emotions: a desperate yearning for that long-promised day when "they shall beat their swords into plowshares, and their spears into pruning hooks" (Isaiah 2:4) and a growing despair for peace in a world divided by ideologies. The downing of KAL 007 makes us wonder how peace can be achieved when "the other side" is so ruthless and unprincipled.

Politically, we may sharply disagree on how to deal with the Soviet Union, on what is the best strategy to deter them from aggression and expansion. We will differ on the implications of all this for our own program of armament and defense. Yet, despite these honest differences, Christians must unite in resisting that terrible temptation to abandon our principles for theirs. For, if we become like them, if we adopt their paranoia, and if we live as though there were no God, no divine plan for this world, then what does it matter who prevails?

LEARNING WAR

If the world is not to "learn war any more," and "nation shall not lift up sword against nation," then it is we believing in a God who not only exists but is moving this world to fulfill his plan and purpose, who must with faith, patience and courage teach the world that our destiny is not mutual annihilation, but a world in which "the wolf and the lamb shall feed together" (Isaiah 65:25). The lion must be taught to "eat straw like the ox." And, by the power of God, I still believe it can and will be done.

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717 394 6851



To Tighten Farm Security

Rural crime is a serious problem in many parts of our country - Lancaster County included. We need to take every precaution to protect our property from theft and vandalism. This is more difficult on a farm because of the number of buildings and exposed items. A good place to start is to install automatic lights; also a good watch dog will signal the arrival of a stranger or something unusual happening.

Another preventive measure is to keep garages and workshops under padlock to make it more difficult for illegal entry. Farm machinery should be stored under cover or near farm buildings at all times. It's also a good idea to engrave all tools and equipment with your drivers license. Social Security numbers are non-retrievable so your drivers license number is a much quicker identification. Neighborhood watch is

very successful -- notify your neighbors if you see something unusual.

To Use Only Needed Fertilizer Elements

Fertilizer prices continue to be high, so we suggest that farmers act now in order to hold this production cost in line. A complete soil test now will reveal the exact fertilizer elements that are needed in certain fields for certain crops. The idea of applying the same amount of the same analysis of fertilizer each year might help but is not the best way to obtain the most from your fertilizer dollar. Some fields may have sufficient amounts of potash, or be in excess of some elements; in these cases it is not economical to apply more of these same elements. With higher fertilizer costs we suggest that farmers do soil testing and then apply what is needed for each crop.

To Protect

Farm Machinery

Winter weather is very hard on farm machinery. As we travel throughout the county, we still see too many pieces of machinery sitting out behind the building or still in the fields. This is very costly to the owner. Moisture causes rust and shortens the life of the equipment. Machinery costs are very high and weather protection is one way to reduce the cost of replacement. Separate machinery sheds are suggested in order to keep everything from being stored in the main barn. Good care and maintenance is needed to lengthen the life of all farm machinery.

(Turn to Page A12)

Farm Calendar

Saturday, Dec. 3

Dairy goat meeting at 1 p.m. at the Daleville Methodist Church.

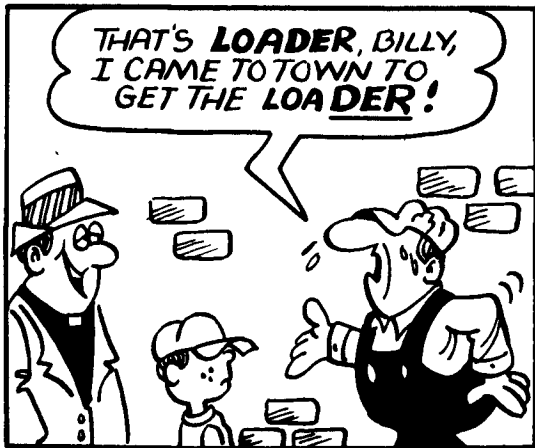
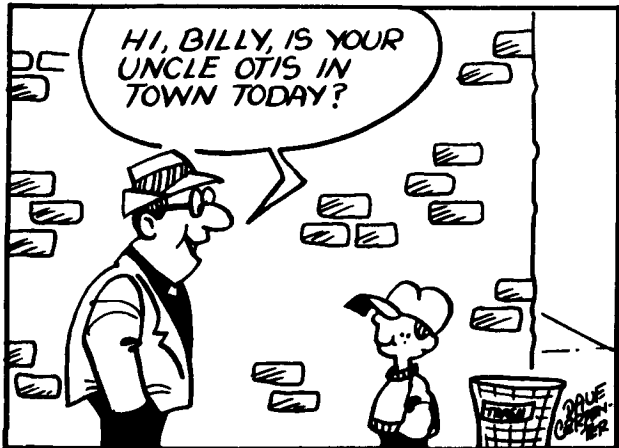
Tuesday, Dec. 6

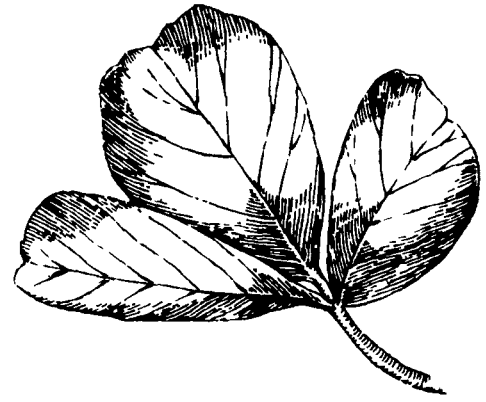
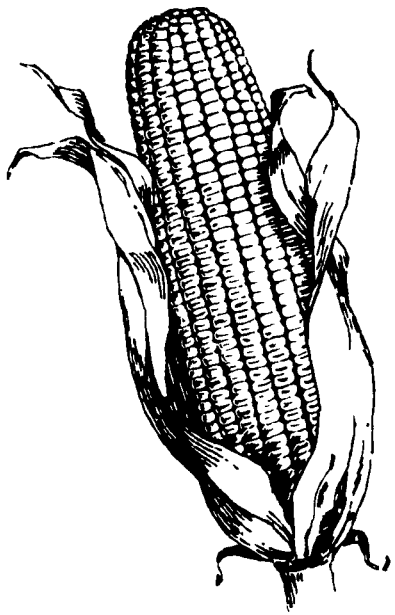
Cattle feeder meeting at 7:30 p.m. at the Union Grove School, Terre Hill.

Franklin County dairy reproductive management workshop at Lurgan Lions Club Building, Roxbury. Continues tomorrow.

Tomato production and marketing meeting from 10 a.m. to 3:30

Otis





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CX482

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Worldwide agricultural preservation

BY TRISH WILLIAMS

As winter approaches and daylight hours shorten, we are able to enjoy to the comforts of those evening hours spent at home with the family. This gives us the opportunity to turn our thoughts from the day to day tasks of cropping to more weighty issues facing the farming community, such as farmland preservation, soil conservation and farm legislation.

This is the time of year that farm organizations meet to develop policy priorities for the coming year. Focusing on the concerns and injustices confronting farmers, they make the commitment to change them for a better farming future.

In this light, the Pennsylvania Farmers Association at its annual meeting recently cited such priorities as passage of a bottle bill, that will save thousands if not millions in natural resources, and will help protect the beauty of the countryside and health of livestock.

In Delaware a bottle bill has been in effect for nearly one year. Members of the Delaware Farm Bureau, in their policy resolutions gave thanks to legislators who worked to pass the bottle bill, and pledged continued support of the bill. Another DFB priority is farmland preservation in Delaware. Two very honorable resolutions.

This year in Pennsylvania and Maryland farmland preservation and soil conservation have taken on increased importance, too. And the farming community is making progress; by speaking loud and clearly to government representatives of its desire for that better farming future.

But as Amos Funk, well known farmland preservation advocate, queried, "What is the use in diligently working to save topsoil, if the farm is lost to development?"

And what is the purpose of overall agricultural preservation if it can be forever devastated by nuclear war?

Nuclear war is a thought most of us choose to ignore, because really what can we as individuals do when it comes to matters of national or world defense. But farmers are known for their political activism, for speaking out for what they believe. And most farmers around the world believe deeply in the continuation of the family farm, and the prosperity of the agricultural sector that feeds all of humanity. From the Chinese rice paddy, to the grape arbors of Europe, to the American cornbelt, the hope is the same.

Nonetheless the threat of a nuclear holocaust is very real, whether we choose to face it or not. There presently exists the capability of destroying the world many times over with nuclear weapons. Everything that we have worked hard for, every living thing we so cherish, could be destroyed. And yet the United States Defense Department continues to spend millions to build these weapons, even at the expense of social and, yes, agricultural programs.

Defense and nuclear experts predict total devastation of agriculture in the event of a nuclear war. All animal and plant life would be destroyed, if not by the initial blast, by the nuclear winter that would follow.

When policy development time rolls around, farm organizations might consider expressing their views of nuclear disarmament - the ultimate necessity for agricultural preservation.



No-till conference draws near

TIMONIUM, Md. — The 10th annual Mid-Atlantic No-Till Conference is set for Dec. 14 at the Maryland State fairground in Timonium, MD.

Departing the traditional format involving an all-day schedule of speakers, this year's educational program in Exhibition Hall will feature formal presentations only in the forenoon.

After lunch in the fairground's 4-H and Home and Arts building, participants may return to Exhibition Hall to hear the speakers answer questions raised by their morning presentations. The rest of the afternoon may then be spent corralling speakers for answers to individual questions, or visiting back in the 4-H and Home Arts building with 52 commercial exhibitors who have reserved space for information booths and equipment displays.

Sponsoring organizations include the Cooperative Extension Service at landgrant universities in Pennsylvania, Delaware, Maryland, New Jersey, Virginia and West Virginia. Financial and program support is provided by interested agribusiness firms.

Registration for the daylong event will get under way in Exhibition Hall on the Timonium fairground at 8 a.m. The morning program will begin in the same location at 9:30 a.m. Early arrivals will have the opportunity to visit commercial exhibits in the fairground's 4-H and Home Arts Building before the formal education activities get started. Free coffee and doughnuts will be served.

General chairman of the planning committee for this year's Mid-Atlantic No-Till conference is Robert L. Jones of Westminster, Md, the University of Maryland Extension director in Carroll county.

Conrad reports that \$3 lunch and admission tickets are now available from most county Extension offices in Pennsylvania, Delaware, Maryland, New Jersey, Virginia and West Virginia. They should be purchased in advance, not later than Monday. More than 1,500 farmers and agribusinessmen from the six-state area are expected to attend.

The Maryland state fairground, site of this year's no-till conference, is located in the 2200 block of York road in Timonium, north of

Baltimore. If coming from the north on highway I-83, turn off at exit 17A and make a right on York road. Proceed two-thirds of a mile and make another right-hand turn at the fairground's north gate — near the 4-H and Home Arts Building.

Now is the Time

(Continued from Page A10)

To Control Weeds In Alfalfa

Have you been bothered with some of the winter time weeds such as Chickweed or Shepherds purse in your alfalfa stands? If so, now would be a good time to apply a herbicide to knock out these weeds. Too many alfalfa growers wait until they see a heavy growth of these weeds and then think of spraying. All weeds are easier to kill when small and before they choke out the alfalfa plants. The period between Thanksgiving and Christmas is excellent for applying herbicides to alfalfa stands. The material to use will vary with the age of the stand and whether or not any grass is there as a companion crop. We suggest that growers refer to the Agronomy Guide, or to their local pesticide dealer for suggestions relating to materials. The important thing is to do the spraying while the weeds are small.

Farm Calendar

(Continued from Page A10)

Thursday, Dec. 8

Commercial vegetable session of 1983 Peninsula Horticultural Society from 9:30 a.m. to 3:30 p.m. at the Wicomico Youth and Civic Center, Salisbury, Md.

Farm financial management workshop from 9:30 a.m. to 3:30 p.m. at the York 4-H Center.

Friday, Dec. 9

Winter Forage Meeting, Md. and Del. Forage Council, at the Hartly Firehall, Hartly, Del.

Quality...



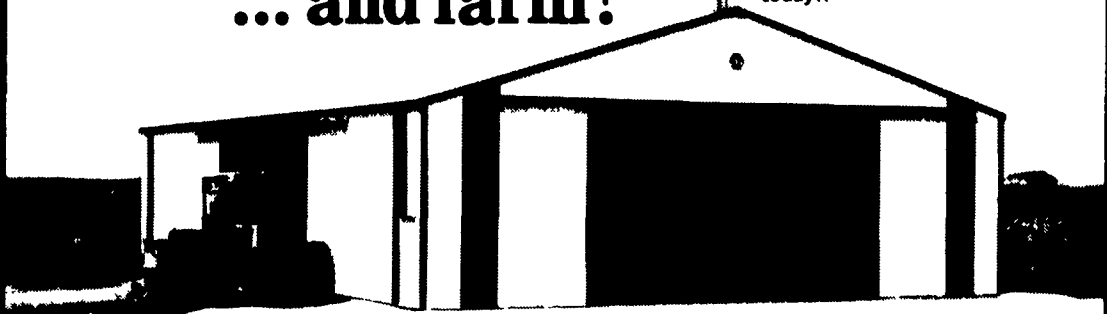
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Livestock market and auction news

Lebanon Valley Livestock

Fredericksburg, Pa.

Tuesday, Nov. 29

Report Supplied By PDA

CATTLE 254. Compared with last Tuesday's market. Few Choice 2-4 1030-1620 lbs. slaughter steers 61.25-65.10, few Good 54.25-60.00; few Good Holsteins 54.25-57.75, Standard 47.75-54.25, Utility

& Low Standard 42.00-46.25. Few Choice slaughter heifers 55.85-57.00, Good 53.50-56.75, few Standard 49.00-53.10. Utility & Commercial slaughter cows 37.50-41.50, few to 43.00, Cutters 33.75-37.50, Canner & Low Cutter 29.75-34.50, Shells down to 28.50. Yield Grade #1 1045-1995 lbs. slaughter bulls 47.75-53.00, one at 56.50.

CALVES 275. Few Choice

Vealers 79.00-99.00, Good 64.00-81.00, few Standard & Good 100-120 lbs. 50.00-55.00, 70-100 lbs. 40.00-50.00, 60-90 lbs. 25.00-40.00.

FARM CALVES: Holstein Bulls 90-130 lbs. 47.00-83.00, mostly 65.00-80.00.

HOGS 205. US No. 1-2 220-250 lbs. barrows & gilts 40.00-41.10, No. 1-3 210-250 lbs. 37.00-40.50.

SOWS US No. 1-3 315-625 lbs.

sows 31.00-34.25.

Few BOARS 25.00-27.50.

FEEDER PIGS 9. Lot US No. 1-3 70 lbs. feeder pigs 31.00 per head.

SHEEP 6. Few Choice 85-115 lbs. Woolled slaughter lambs 43.00-55.00, few Good 60-90 lbs. 40.00-47.00.

GOATS 5: Few Large 26.00-34.00 per head.

Morrison Cove Livestock

Martinsburg, Pa.

Monday, Nov. 28

Report Supplied by Auction

CATTLE 244. Compared with last Monday's market. Choice slaughter steers 60.75-64.25, Good 57.75-59.50, Standard 51.75-55.50, Utility 46.25-50.50. Choice slaughter heifers 55.50-58.75, Good 51.75-54.25, Standard 47.50-50.50, Utility 41.25-46.75. Commercial slaughter cows 42.25-44.75, Cutters 38.75-41.75, Canner & Low Cutter 32.50-37.25, Shells down to 28.00. Choice slaughter bullocks 50.50-52.25, Good 47.50-49.75, Standard 43.50-46.75, Utility 38.25-42.75. Yield Grade #1 slaughter bulls 51.75-53.50, Yield Grade #2 49.75-51.25.

FEEDER CATTLE: Choice feeder steers 58.00-61.00. Good feeder heifers 45.50-51.00. Good feeder bulls 44.50-50.50.

CALVES 353. Prime vealers 86.00-103.00, Choice 77.50-84.50, Good 66.50-74.00, Standard & Good 110-130 lbs. 54.50-61.50, 90-110 lbs. 48.00-51.00, 70-90 lbs. 44.00-47.00, Utility 45-55 lbs. 40.00-43.00.

FARM CALVES: Holstein Bulls 95-125 lbs. 79.00-97.00. Holstein Heifers 95-125 lbs. 53.50-67.50.

HOGS 189. US No. 1-2 210-220 lbs. barrows and gilts 41.50-42.75, No. 1-3 210-230 lbs. 40.00-41.25, No. 2-3 180-350 lbs. 38.50-39.75.

SOWS US No. 1-3 350-500 lbs. sows 37.00-39.50, No. 2-3 350-500 lbs. 32.50-36.50.

BOARS 26.00-27.50, Light weights 28.75-29.25.

FEEDER PIGS 46. US No. 1-3 45-55 lbs. feeder pigs 14.00-18.00 per head, No. 1-3 40-45 lbs. 11.00-13.50, No. 1-3 25-35 lbs. 8.00-10.50 per head.

SHEEP 6. Choice 90-160 lbs. Woolled slaughter lambs 49.50-53.00, Good 80-90 lbs. 43.50-46.50. Slaughter ewes, one at 9.00.

GOATS 2: 11.00-33.00 per head.

Brand New 400 SERIES Bobcat



7:00 am



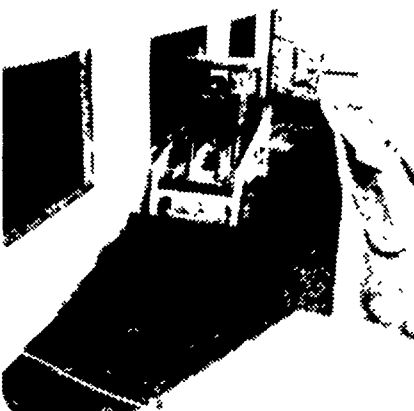
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9:27 am



10:17 am



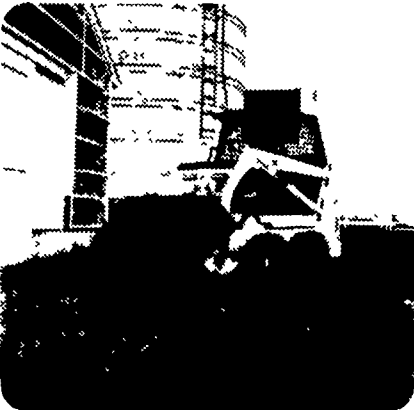
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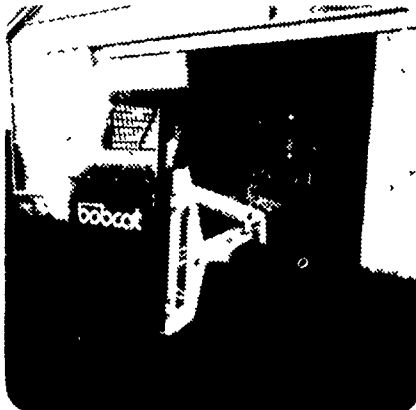
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Livestock market and auction news

New Wilmington Livestock

New Wilmington, Pa.
Monday, Nov. 28
Report supplied by PDA

CATTLE 168. Compared with last Monday's market, slaughter cows \$2.00 higher. One Good slaughter steers 57.75, few Standard 45.00-52.00. Few Standard slaughter heifers 42.00-45.00, few Utility 38.25-41.50. Utility & Commercial slaughter cows 36.50-40.00, one at 41.00, Cutters 33.50-37.25, Canner & Low Cutter 28.00-33.50, Shells down to 24.50. Yield Grade #1 1150-1865 lbs. slaughter bulls 42.75-47.75, few Yield Grade #2 1175-1510 lbs. 39.00-42.00.

FEEDER CATTLE: Few Medium Frame #1 feeder heifers 380-450 lbs. 42.00-47.25, Medium Frame 1-2 525-790 lbs. 31.50-38.50. Few Medium Frame #1 600-860 lbs. feeder bulls 40.00-44.75.

CALVES 278. Vealers \$7.00-\$8.00 higher. One Prime vealer at \$100.00, few Choice 85.00-95.00, Good 67.00-82.50, Standard & Good 90-120 lbs. 47.50-56.00, 65-85 lbs. 40.00-50.00, Utility 50-65 lbs. 28.00-37.00.

FARM CALVES: Holstein Bulls 95-125 lbs. 60.00-92.50. Holstein Heifers 85-120 lbs. 51.00-58.00.

HOGS 495. Barrows and gilts fully \$1.50 higher. US No. 1-2 105-250 lbs. barrows & gilts 42.50-43.75, No. 1-3 200-265 lbs. 41.60-42.60, Lot No. 1-3 176 lbs. 35.25.

SOWS steady. US No. 1-3 290-700 lbs. sows 30.00-37.00, few at 39.00, few 2-3 430-765 lbs. 27.25-30.00.

BOARS 24.75-26.00.

FEEDER PIGS 23. Lot US No. 1-3 30 lbs. feeder pigs 11.00 per head, Lot Utility 15 lbs. 4.50 per head.

SHEEP 74. Choice & Prime 80-130 lbs. Wooled slaughter lambs 45.00-52.00, few 60-80 lbs. 50.00-60.00, mix Good and Choice 95-135 lbs. buck lambs 32.00-40.00, few Good 60-80 lbs. 40.00-45.00. Slaughter ewes 6.00-12.00.

G&M Livestock

Monday, November 28
Duncansville, Pa.

Report supplied by auction

SLAUGHTER CATTLE: Steers-Choice 59.00-62.70; Good 54.00-59.00; Standard 48.00-54.00; Utility 42.00-48.00. Heifers-Choice 59.00-

61.70; Good 53.00-59.00; Standard 46.00-53.00; Utility 38.00-46.00. Cows-Choice 42.00-44.00, couple to 46.00; Good 40.00-42.00; Standard 38.00-40.00; Utility 34.00-38.00; Cutters 30.00-34.00; Cannors down to 27.00. Bulls 1200-1800 lbs. 44.00-52.00.

FEEDER CATTLE: Steers-Choice 300-600 lbs. 50.00-60.00. Heifers-Choice 300-600 lbs. 48.00-56.00.

CALVES: Vealers Prime and High Choice 105.00-113.50; Good and Choice 70.00-90.00; Standard 40.00-70.00; Utility down to 30.00. Farm Calves- Holstein bulls 90-120 lbs. 75.00-88.00; Heifers 90-120 lbs. 50.00-63.00.

HOGS: Barrows and gilts 200-250 lbs. 40.00-42.75; 170-300 lbs. 38.00-41.00. Sows- 300-600 lbs. 33.00-40.50. Boars- 23.00-27.00.

FEEDER PIGS: 25-35 lbs. 8.00-12.00 per head; 35-50 lbs. 12.00-18.00.

SHEEP: Slaughter lambs none. **GOATS:** 10.00-24.00.

Joliet Cattle

Thursday, December 1

Friday through Wednesday's salable receipts 3500; 4 days last week 1769; same period a year ago 4317. Trading moderately active Monday; slow to moderate Wednesday. Slaughter steers ended the week mostly 1.00 to 1.50 higher compared with Wednesday of last week. Slaughter heifers ended the week 1.50 higher.

SLAUGHTER STEERS: Choice few prime 3-4 1200-1350# 64.00-65.00

Monday; 63.50-65.00 Wednesday. Choice 2-4 1050-1350# 61.50-64.00 Monday; 61.00-64.00 Wednesday. Mixed good and choice 2-3 1000-1300# 60.00-61.50 Monday; 59.50-61.00 Wednesday. Good 2 1000-1300# 58.00-59.50.

SLAUGHTER HEIFERS: Choice 2-4 900-1100# 59.50-61.50 Monday; 60.50-62.25, Load YG 2 1170# 62.50 Wednesday. Mixed good and choice 2-3 900-1050# 57.00-59.00 Monday; 58.00-60.50 Wednesday. Good 2 850-1000# 55.50-57.50.

East Coast Carlot

Wednesday, November 30

Report supplied by USDA

Compared to Tuesday's close: Prime special fed veal trade active. Demand moderate, supplies light. Sales steady to 1.00 higher. Good and Choice Boning Veal trade moderate. Demand and supplies moderate, sales steady to 1.00 lower; inshipped veal steady to 1.00 higher. Lamb trade rather slow early. Demand and supplies light, sales steady with last week. Boneless Beef 8.50-11.00 higher than last week in response to storm related supply situation.

VEAL CARCASS

Prime (Special Fed)

220-280 lbs. 172.00-175.00, steady to 1.00 higher.

Good & Choice

Boning Type

Hide On

Northeastern Suppliers: Steady to 1.00 lower. 65-75 lbs. 73.00-76.00; 55-64 lbs. 71.00-74.00; 45-54 lbs. 69.00-72.00; 35-44 lbs. 67.00-70.00; 34 lbs. down 65.00-68.00.

Inshipped: Steady to 1.00 higher. 71-80 lbs. 78.00-80.00; 61-70 lbs. 76.00-78.00; 51-60 lbs. 74.00-76.00; 41-50 lbs. 72.00-74.00; 30-40 lbs. 70.00-72.00.

LAMB BEEF

Choice and Prime 3-4

10 Loads

Compared to last week steady. 55 lbs. down 130.00; 55-65 lbs. 130.00; 65-75 lbs. 130.00.

BONELESS BEEF

(US & Canadian Origin)

1 Load

8.50-11.00 than last week. 90% Chem Lean Fresh 110.00.

Penns Valley Livestock

Centre Hall, Pa.

Tuesday, November 29

Report supplied by auction

Beef Cows: Utility and Commercial 40.25-44.10; Cutters 37.20-39.95; Cannors 33.50-36.75; Shells 30.00.

Heifers: Commercial 38.50-46.00. Steers: Standard 46.50-48.00. Bulls: Standard 43.00-47.50. Feeder Cattle: Insufficient for market test.

Veal Calves: Choice 74.00-82.00; Good 61.00-73.00; Standard 49.00-59.00; Utility 40.00-48.00.

Farm Calves: Bulls 70.00-84.60.

Hogs: 39.75-41.75.

Sows: 30.25-32.10.

Boars: 25.00-27.25.

Shoats: 25-30 lbs. per head 8.00-

14.00; 30-35 lbs. per head 15.00-

18.00; 35-50 lbs. per head 17.00-

24.00.

Lambs: 41.00-48.50.

Goats: per head 14.00-26.00.

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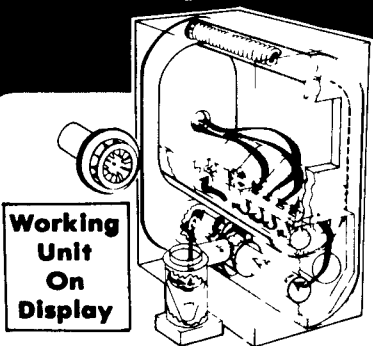
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Livestock market

Lancaster Farming, Saturday, December 3, 1983—A15

St. Louis Cattle

Thursday, December 1

Receipts This Week 5,800:

Week Ago 1,700:

Year Ago 6,800.

Compared to the previous week, slaughter steers mostly 2.50

higher. Slaughter heifers 2.50-3.00 higher. Cows mostly 2.00 higher. Bulls 1.00 higher. Slaughter supply mainly choice and mixed choice and prime slaughter steers, around 30% heifers and 15% cows. **SLAUGHTER STEERS:** Mixed

choice and prime 2-4 1050-1300 lbs. 61.50-62.50, closing 62.00-62.50. Choice 2-4 950-1275 lb. 60.00-62.50, closing 61.00-62.50. Package 3 50 mostly 4 1160 lbs. 59.50. Mixed good and choice 2-3 900-1225 lbs. 59.00-61.00. Good 2-3 900-1175 lbs. 57.00-59.50. Mostly good 2-3 1050-1350 lb. Holsteins 51.00-56.00. Standard to good 2-3 1025-1200 lbs. 48.00-51.50. **SLAUGHTER HEIFERS:** Mixed

choice and prime 2-4 900-1100 lbs. 59.50-61.00, closing 60.00-61.00, part load 61.50. Package 4-5 950 lbs. 54.75. Choice 2-4 800-1075 lbs. 58.00-60.00, closing 58.50-60.00. Mixed good and choice 2-3 800-1000 lbs. 56.00-58.50. Good 2-3 750-950 lbs. 53.00-56.50.

COWS: (Closing Week Sales) Breaking utility and commercial 2-

4 34.00-37.00. Boning cutter and utility 1-2 34.00-38.00. High-yielding boning utility 1-2 38.00, few 39.00. Canner and low cutter 1-2 30.00-34.00. Shelly canner 1-2 26.00-30.00. **BULLS:** YG 1-2 1050-1900 lbs. 43.00-47.00.

FEEDERS: (Including around 2,500 at the regular Thursday auction.) Feeder steers and heifers 2.00-4.00 higher. Supply mainly medium frame 1 300-600 lb. steers and heifers. Overall quality much improved over previous weeks.

FEEDER STEERS: Medium Frame 1: 300-500 lbs. 62.00-69.00; 500-600 lbs. 60.00-64.00; 600-800 lbs. 58.00-61.00; 800-900 lbs. 56.00-58.50.

Medium Frame 1-2: 500-800 lbs. 54.00-60.00.

Large Frame 2 Holsteins: 500-850 lbs. 41.50-45.00.

FEEDER HEIFERS: Medium Frame 1: 300-500 lbs. 51.00-56.00; 165 head string 560-575 lbs. 57.00; 500-700 lbs. 50.00-54.00.

Medium Frame 1-2: 400-600 lbs. 46.00-51.00.

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Livestock market and auction news

Central U.S. Carlot

Wednesday, November 30
Report supplied by USDA

Compared to Monday's 4:00 Report: Steer and Heifer carcasses steady, except Yield Grade 4 Heifer generally \$1.00 higher. Demand moderate for immediate ship, light for next week ship. Supplies Moderate. The gross boxed beef carcass cutout value advanced \$.12 to an estimated \$101.27 per cwt., 104 boxed cuts reported.

Sales reported on 98 loads of Steer and Heifers carcasses.

STEER BEEF 62 Loads

FOB Omaha Basis

Choice 3 600-900 lbs. 97.00, steady.
Choice 2 600-700 lbs. 97.50-98.00.
Good 2-3 600-900 lbs. 94.00-95.00, no comparison.
Good 2 & Low 3 600-700 lbs. 94.00.
Choice 2-3 600-900 lbs. 90.00. (Hols), steady.
Good 2-3 600-900 lbs. 85.00 (Hols), steady.

FOB Amarillo Basis

Choice 4 600-900 lbs. 85.00, no comparison.

HEIFER BEEF 36 Loads

FOB Omaha Basis

Choice 3 550-700 lbs. 95.00-97.00, bulk 96.00, steady; 500-550 lbs. 93.00, steady; 400-500 lbs. 91.00, steady.
Choice 2 600-700 lbs. 95.50-96.50.
Choice 4 500-700 lbs. 84.00, gen. 1.00 higher.
Good 2-3 550-700 lbs. 91.00-93.00, no comparison.
Good 2 & Low 3 600-700 lbs. 91.00-92.50.

Good 2-3 400-550 lbs. 86.00.

COW BEEF 24 Loads

FOB Omaha Basis

Bng Utility 2-3 400/up lbs. 70.00 Midwest.
Cnr & Cutter 1-2 350/up lbs. 74.00 Midwest, generally steady.
FOB Amarillo Basis
\$1.00 higher, generally steady Midwest.
Bng Utility 2-3 400/up lbs. 71.00-72.00.

Canner & Cutter 1-2 350/up lbs. 74.00-75.00.

BULL CARCASSES 2 Loads

FOB Omaha Basis

Bull 1-2 500/up lbs. 78.00-82.00.

PRIMAL BEEF CUTS 2 Loads

FOB Omaha Basis

Choice 3: Fores 130-210 lbs. 88.00.
Good and Choice 2-3: Full Plates 52.00.

BONELESS PROCESSING BEEF/BEEF TRIMMINGS 78 Loads

FOB Omaha Basis

90% Chem Lean Fresh 103.00-104.00, load early 105.00.
50% Chem Lean Fresh 44.50-45.50.

FOB Amarillo Basis

90% Chem Lean Fresh 105.00-106.00.
85% Chem Lean Fresh 98.50.
50% Chem Lean Fresh 45.50-46.00.

Compared to Tuesday's 4:00 report: Fresh Pork Loins regular trim 14-17 lbs. \$3.00 to \$4.00 lower, 17-22 lbs. \$.50 higher; retail trim 14-17 lbs. \$2.00 to \$5.00 lower. Boston Butts generally steady. Skinned Hams 20-26 lbs. steady. Sdls Bellies mixed, mostly steady to \$1.00 higher. Trade slow to moderate with best movement on 14-17 lb. Loins and Sdls Bellies. Demand light to moderate for moderate offerings.

Sales reported on 44 loads of Fresh Pork Cuts plus 7 load of Trimmings & Boneless Processing Pork.

FRESH PORK CUTS

LOINS: (Regular) 14-17 lbs. 76.00-79.00, 3.00-4.00 lower; 17-22 lbs. 72.50, .50 higher. (Retail trim) 14-17 lbs. 86.00-90.00, 2.00-5.00 lower.

PICNICS: 4-8 lbs. 91.00 Short Cut, no comparison.

BOSTON BUTTS: 4-8 lbs. 58.00, generally steady; 8&up lbs. 53.00-54.50.

HAMS (Skinned): 14-17 lbs. 81.00, frozen; 20-26 lbs. 80.00, steady.

BELLIES (Sdls - Skin On) 10-12 lbs. 40.25, firm; 12-14 lbs. 52.50, 1.00 higher; 14-16 lbs. 52.50, load 51.50, mostly 1.00 higher; 16-18 lbs. 49.50,

weak; 18-20 lbs. 44.50-46.00, generally steady.

PORK TRIMMINGS/ BONELESS PROCESSING PORK (Chemical Lean)

42% Lean Trimmings Fresh 30.50, steady.
72% Lean Trimmings Fresh 54.00, steady.
72% Lean Trimmings Frozen 56.00, weak.
Jowls, fresh 22.00.
Jowls, frozen 24.50, firm.

Oklahoma Cattle

Wednesday, November 30

Estimated Receipts: 8,300
Same Day Last Week: 902

Feeder steers under 500 lb. steady, 500-800 lb. steady to 50 cents higher, over 800 lb. 2.00-2.50 higher. Feeder heifers under 500 lb. steady to 1.00 lower, over 500 lb. firm to 2.00 higher. Calf demand moderate. Yearling demand very good. Bulk supply medium frame 1 and mixed 1-2 350-750 lb. feeder steers and 350-650 lb. feeder heifers.

FEEDER STEERS: Medium and Large Frame 1 300-400 lb. 70.00-75.25; 400-500 lb. 68.50-73.10; 500-600 lb. 67.25-71.00; 600-700 lb. 64.75-67.10; 700-800 lb. 64.00-66.30; 800-825 lb. 64.75-64.90; 905 lb. 63.80. Small Frame 1 350 lb. 68.50; 550-625 lb. 63.50-65.50.

Medium and Large Frame Mixed 1-2 350-500 lb. 64.00-68.50; 500-600 lb. 64.50-68.00; 600-700 lb. 63.00-65.70; 700-800 lb. 63.00-64.25. Large Frame 2 Holsteins 510 lb. Thin 54.50.

FEEDER HEIFERS: Medium and Large Frame 1 300-400 lb. 57.00-61.00, load 380 lb. 61.40; 400-500 lb. 55.25-60.50; 500-700 lb. 57.00-60.10; 700-755 lb. 56.50-57.25, lot 835 lb. 54.20.

Medium and Large Frame Mixed 1-2 400-500 lb. 52.25-55.75; 515 lb. Thin 57.60.

Weekly Cattle Summary

Compared to last Wednesday, feeder steers under 600 lb. firm to 1.00 higher, over 600 lb. 1.00-3.00 higher. Feeder Heifers under 500 lb. steady; over 500 lb. 2.00-4.00 higher. Slaughter cows 2.00-2.50 higher with midweek's sales breaking-utility and commercial 2-4 35.50-39.60; Cutter and boning-utility 1-2 34.00-38.00, some boning-utilities 38.00-38.80; Canner and low-cutters 27.00-34.00, bulk 29.25-34.00. Slaughter bulls 1.00-2.00 higher with YG 1-2 1000-1500 lb. 41.00-47.25; above 1200 lb. mostly 44.00-47.25; 1500-2100 lb. 45.00-50.00, couple lots 50.40-51.90. Salable receipts this week estimated at 18,200 head compared with 8,357 the holiday shortened period a week ago and 18,066 head a year ago. Bulk of receipts consisted of feeder steers and heifers. Cows and bulls near 10 percent of estimated receipts.

Leesport Auction

Leesport, Pa.

Wednesday, November 30
Report supplied by PDA

CATTLE 316: Supply included 57 feeder cattle. Compared with last Wednesday's market, slaughter cows steady to .75 lower. Few High Choice & Prime 1110-1165 lbs. slaughter steers 63.85-64.60, Choice 1040-1300 lbs. 61.00-63.85, few Good & Choice 1200-1500 lbs. holsteins 53.75-56.85, Good 56.35-60.00, few Standard 47.00-54.50, few Utility & Low Standard 41.75-44.75. Few Choice 920-1050 lbs. slaughter heifers 58.25-62.10, Good 54.00-56.00, few Standard 39.00-48.50, few Utility 32.50-38.75. Utility & Commercial slaughter cows 36.00-40.75, few 41.75, Cutters 33.50-36.85, Canner & Low Cutters 31.75-34.10, Shells down to 27.25. Few Choice slaughter bullocks 55.75-61.35, few Good 50.00-53.25, few Standard 44.75-47.50. Yield

Grade #1 1335-1665 lbs. slaughter bulls 47.50-53.35, one 54.84, few #2 1045-1270 lbs. 41.25-45.25.

FEEDER CATTLE: Few Large Frame #2 675-815 lbs. feeder steers 40.25-53.00. Few Medium Frame #1 385-690 lbs. feeder heifers 47.00-52.50. Few Large Frame #2 315-543 lbs. feeder bulls 38.75-41.00.

CALVES 184: One Prime vealer at 105.00, few Choice 80.00-98.00, few good 65.00-78.00, few Standard & Good 120-125 lbs. 51.50-66.00, 90-115 lbs. 45.00-47.00, 70-85 lbs. 40.00-43.00, Utility 90-115 lbs. 40.00-45.00, 60-80 lbs. 29.50-40.00.

FARM CALVES: Holstein Bulls 90-125 lbs. 65.00-82.00, few down to 48.00; few Holstien Heifers 100-110 lbs. 57.00-58.00. Good & Choice 315-550 lbs. slaughter calves 45.00-66.00, mostly 50.00-57.00.

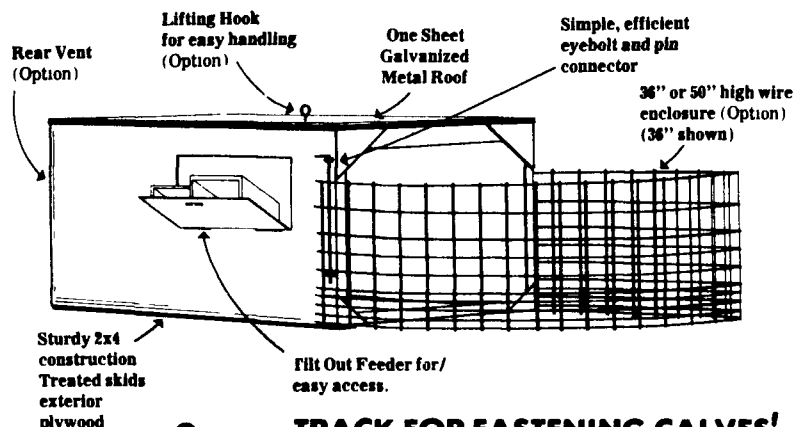
HOGS 319: Barrows and gilts strong to 1.00 higher. US No. 1-2 215-245 lbs. barrows and gilts 40.75-41.50, few 42.25. No. 1-3 220-240 lbs. 40.50-41.10, No. 1-3 200 lbs. 38.75-39.75. Sows 1.00 higher. US No. 1-3 310-565 lbs. sows 32.00-35.00, few Medium 300-400 lbs. 31.25-32.00. Boars 23.00-27.00.

FEEDER PIGS 196: Few US No. 1-3 25 lbs. feeder pigs at 59.00-65.00, No. 1-3 30-45 lbs. 51.00-61.00, lot No. 1-3 52 lbs. at 48.00, No. 1-3 135-160 lbs. 38.00-39.00. ALL SALES PER HUNDREDWEIGHT.

SHEEP 40: Choice 70-110 lbs. woolled slaughter lambs 45.00-50.00, one at 56.00, Good 65-80 lbs. 41.00-46.00. Few Slaughter sheep 13.00-23.00. GOATS 32: Large 30.00-35.00 per head, Small Adult 17.00-25.00 Kids 20.00-28.00 per head.

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Livestock market and auction news

Belknap Auction

Dayton, Pa.

Wednesday, November 30

Report supplied by PDA

CATTLE 105: Compared with last Wednesday's market, slaughter cows .50-.75 higher. Few Good slaughter steers 57.00-59.00, few Standard 44.00-51.00, Utility 37.00-42.00. Couple Standard slaughter heifers 44.00-44.50. Utility & Commercial slaughter cows 36.50-40.00, one 42.75, Cutters 33.50-37.00, Canner & Low Cutter 26.00-33.75, Shells down to 20.00. Individual Yield Grade #2 1120 lbs. slaughter bull at 40.00.

FEEDER CATTLE: Medium Frame #1 300-525 lbs. feeder steers 51.00-60.00. Medium & Large Frame #2 530-740 lbs. feeder bulls 30.00-35.50.

CALVES 112: One Good vealer at 73.00, Standard & Good 90-110 lbs. 44.00-50.00, 60-85 lbs. 33.00-45.00, few Utility 60-85 lbs. 20.00-25.00.

FARM CALVES: Holstein Bulls 95-125 lbs. 50.00-88.00.

HOGS 175: Barrows and gilts mostly 1.50 lower. Lot US No. 1-2 (34 head) 220 lbs. barrows and gilts at 41.90, No. 1-3 210-250 lbs. 40.00-41.00, few No. 2-3 260-285 lbs. 39.00-39.25, lot No. 1-3 195 lbs. at 37.75. Sows 4.00-5.00 lower. US No. 1-3 290-510 lbs. sows 30.00-37.00. Boars 20.00-22.00.

FEEDER PIGS 132: US No. 1-3 15-30 lbs. feeder pigs 5.00-11.00 per head, No. 1-3 35-50 lbs. 12.00-24.00, No. 1-3 50-65 lbs. 24.00-26.00 per head.

SHEEP 4: Few Slaughter ewes 12.00-17.00.

Indiana Livestock

Homer City, Pa.

Thursday, Dec. 1

Report Supplied by PDA

CATTLE: 188. Sl. steers: (few) Choice 58.00-61.00; Good 55.50-58.00; Standard 49.50-53.00. Sl. heifers: (few) Good 51.75-54.75; (few) Standard 43.00-47.75. Sl. cows: Utility & Commercial 36.00-40.00; Cutters 34.00-37.00; Canner & L. Cutter 28.00-34.00. Sl. bullocks: (few) Standard 44.75-45.75. Sl. bulls: Yield Grade No. 1, 1350-1785 lbs. 46.75-49.75.

FEEDER CATTLE: Steers, Medium Frame No. 1, 550-750 lbs. 46.00-50.00. Heifers, Medium & Large Frame No. 1, 520-740 lbs. 39.25-45.75; Medium & Large Frame No. 2, 370-685 lbs. 35.25-40.00.

CALVES: 229. Choice 78.00-91.50; Good 62.00-78.00; Standard & Good 90-125 lbs. 45.00-51.00; 65-85 lbs. 38.00-46.50; (few) Utility 50-90 lbs. 25.00-36.00.

FARM CALVES: Hol. Bulls 95-125 lbs. 51.00-84.00; Beef Cross Bulls & Heifers 75-115 lbs. 46.00-57.00.

HOGS 113. US No. 1-2 200-240 lbs. 40.75-41.25. No. 1-3 220-245 lbs. 40.00-41.00; No. 2-3 265-275 lbs. 38.50-39.00; US No. 1-3 280-565 lbs. 30.50-35.25.

FEEDER PIGS 61. US No. 1-3 20-30 lbs. 7.00-14.00 per head; No. 1-3 35-45 lbs. 14.50-21.00.

SHEEP: 36. Couple lots high Choice & Prime 95 lbs. 53.75-54.50.

Omaha Cattle

Thursday, December 1

Weekly 51 — Cattle — as compared to last week's closing prices, slaughter steers and heifers ranged 2.50-3.00 higher at mid-session, ending the week at the highest levels in five months. Storm shortened receipts responsible for part of the upturn; but other factors provided the main thrust in the advance. I.E. sharply higher boxed and carcass beef prices, aggressive packer demand, smaller numbers of available market ready cattle,

strong pricing stance of area cattle feeders. Slaughter cows 1.00 higher. Bulls steady.

Estimated five day receipts 8000; actuals a week ago 9782; last year 18125. Steers comprised 47 pct of this week's receipts; heifers 38 pct; cows 7 pct; feeders 7 pct.

STEERS: At the close three load string choice, few prime 2-4 reputation fed near 1250 lbs. 64.50. Choice 2-4 1050-1300 lbs. 62.50-64.00. Mixed good and choice 2-3 1050-1150 lbs. 60.50-62.50. Few good 59.00-60.50.

HEIFERS: Nine loads choice, few prime 2-4 1050-1100 lbs. 62.50. Choice 2-4 950-1100 lbs. 60.25-62.00,

bulk 61.00-61.50. Mixed good and choice 2-3 900-1050 lbs. 58.50-60.00. Few good 57.00-58.50.

Average of LS 214 detailed quotations for 900-1100 lb. choice steers 62.05, 1100-1300 lbs. 63.25. Average cost steers 62.88, average weight 1157 lbs.; as compared 59.58 and 1164 lbs. a week ago. Average cost heifers 60.96, average weight 1011 lbs.; as compared 58.03 and 1033 lbs. a week ago.

COWS: Breaking utility and commercial 2-3 34.50-36.00. Cutter and boning utility 1-3 33.50-36.00. Canner and low cutter 31.00-33.50.

BULLS: 1-2 1100-1800 lbs. 41.00-46.00.

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Livestock market

Weekly Summary

Fri., Dec. 2

Report Supplied by PDA

CATTLE: 6408. Compared with 4423 head last week and 5546 head a year ago. Compared with last Friday's market:

Slaughter steers mostly steady to 1.00 higher; Sl. heifers steady to 2.00 higher; Sl. cows steady to .75 lower spots to 1.50 lower; Sl. bullocks uneven on a small supply; Sl. bulls steady to 2.00 higher. Sl. steers: High Choice & Prime No. 3-4, 64.50-69.25; Choice NO. 2-4, 60.50-68.00; Good 57.00-63.50; Standard 47.00-54.00. Sl. heifers: Choice 59.00-63.35; Good 53.00-60.50; Standard 44.00-50.00. Sl. cows: Utility & Commercial 36.00-40.00; Cutters 33.00-37.00; Canner & L. Cutter 28.00-34.00; Shells down to 25.00. Sl. bullocks: Choice 55.00-59.25; Good 49.75-53.25; (few) Standard 44.75-47.50. Sl. bulls: Yield Grade No. 1, 1000-2450 lbs. 46.00-53.50; Yield Grade No. 2, 900-1450 lbs. 42.00-49.00.

FEEDER CATTLE: Steers, Medium Frame No. 1, 300-750 lbs. 45.00-54.50. Heifers, Medium Frame No. 1, 350-750 lbs. 40.00-47.25.

CALVES: 4812. Compared with 3269 head last week and 4308 head a year ago. Vealers strong to 5.00,

spots to 10.00 higher. (few) Prime 99.00-109.00; Choice 78.00-99.00; Good 65.00-81.00; Standard & Good 110-130 lbs. 50.00-65.00; 90-110 lbs. 45.00-50.00; 65-90 lbs. 35.00-45.00; Utility 50-110 lbs. 30.00-40.00.

FARM CALVES: Hol. Bulls 90-135 lbs. 46.00-89.00, mostly 60.00-82.00; Hol. Heifers 90-140 lbs. 48.00-58.00.

HOGS: 6395. Compared with 6536 head last week and 5193 head a year ago. Barrows and gilts mostly steady to .50, spots 1.50 higher. US No. 1-2 200-245 lbs. 40.75-43.75 No. 1-3 200-250 lbs. 39.00-41.00; No. 2-3 200-275 lbs. 38.50-40.00; Sows 1.00-1.50 lower. US No. 1-3 300-585 lbs. 30.00-37.00; few No. 2-3 300-650 lbs. 27.00-32.00. Boars 20.00-27.50.

FEEDER PIGS 878. Compared with 1421 head last week and 576 a year ago. Steady to 6.00 higher. US No. 1-3 20-35 lbs. 7.00-14.00 per head; No. 1-3 35-50 lbs. 14.00-24.50; No. 1-3 50-85 lbs. 24.00-35.50.

3 GRADED FEEDER PIG SALES: 1750. Compared with 2849 head last week, and 2150 head a year ago. All sales by CWT. Feeder Pigs mostly 3.00-15.00 higher. US No. 1-2 30-40 lbs. 60.00-68.00, 40-50 lbs. 52.00-71.00, 50-60 lbs. 47.00-66.00, 60-80 lbs. 45.00-63.00; US No. 2-3 35-50 lbs. 45.00-66.00, 50-90 lbs. 36.00-44.00.

SHEEP: 631. Compared with 760 head last week and 495 head a year ago. Highly uneven, Spring/Wooled sl. lambs High Choice & Prime 80-130 lbs. 50.00-63.00; Choice 70-130 lbs. 43.00-50.00; Good 50-90 lbs. 40.00-47.00. Sl. ewes: 8.00-18.00, few to 25.00.

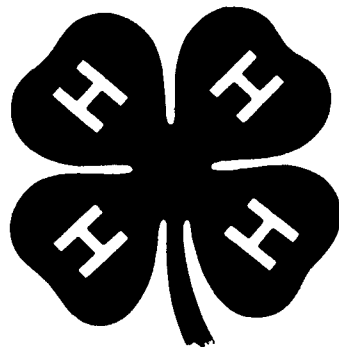
North Jersey Livestock

Hackettstown, N.J.

Tuesday, November 29

Report supplied by auction 1294 head.

Calves 15.00-83.00; Cows 28.00-45.00; Easy Cows 25.00-41.75; Heifers 30.00-55.50; Bulls 32.00-55.75; Steers 40.00-57.50; Hogs 32.00-44.00; Roasting Pigs, each 10.00-27.00; Kids 10.00-36.00; Boars 28.00-32.00; Sows 28.00-30.00; Sheep 16.00-48.00; Lambs, each 22.00-49.00; Lambs, per lb. 44.00-64.00; Goats, each 10.00-85.00; Hides .25-3.00.



Quarantine violation fines hiked

WASHINGTON, D.C.

Travelers caught smuggling prohibited agricultural products into the United States in their baggage will soon face stiff fines, according to USDA plant protection officials.

"Under new civil penalty authority, agriculture officials may levy substantial fines on persons violating quarantine regulations," said Bert Hawkins, administrator of USDA's Animal and Plant Health Inspection Service.

"We see the new penalty provisions as a key element in keeping unwanted plant and animal pests and diseases out of our country," Hawkins said. "Until now, we had a 'deterrence gap' because violators didn't expect to be prosecuted or pay a fine — they merely lost the

prohibited items."

"Inspecting international travelers is a particularly tough job," Hawkins said, "because many people don't realize that one piece of fruit or link of sausage has the potential to cause vast damage to our agriculture and disrupt our food supply."

Smuggled fruit was the most likely source of the recent Medfly infestation in California, Hawkins said. It cost federal and state governments about \$100 million to eradicate this infestation. A single piece of sausage could carry disease organisms causing diseases such as African swine fever. An outbreak of this swine disease could cost hundreds of millions of dollars to eradicate, drive up the price of pork and close many

U.S. export markets.

The new fine system will be phased in over several months, beginning at Atlanta's Hartsfield International Airport early in November. USDA will implement the system at other selected ports about Dec. 1; and the system will be nationwide about Feb. 1.

Travelers caught smuggling prohibited items will have the option of paying an immediate fine or of having a hearing at a later date before an administrative law judge, how may impose a fine of up to \$1,000.

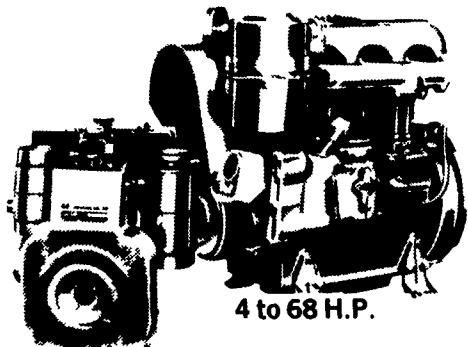
Prohibited items generally include fresh fruits and vegetables, live birds, meat and other animal products. Mangos, citrus, sausages and hams are among the most frequently intercepted items, Hawkins said.

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Wayne County DHIA sets records

BELMONT — The fifty-seventh annual meeting of the Wayne County Dairy Herd Improvement Association was held Nov. 14 at the Belmont Fire Hall with 150 persons attending.

The association completed the

testing year Oct. 1, with an average production of 14,946 pounds of milk and 540 pounds of butterfat per cow. The milk production level is an all-time high for the county, with both milk and butterfat levels slightly below

state DHIA averages.

There was an average number of 4,971 cows enrolled for the full year. This is slightly below last year's record number of 5013.

James Slocum, Susquehanna, was recognized for having the

highest producing herd in both milk and butterfat, which was 22,280 pounds of milk and 817 pounds of butterfat per cow. This is the highest production level in both milk and butterfat ever achieved by any Wayne County DHIA herd.

Slocum also received the "high cow in butterfat" award for a cow by the name of "Carla" who in a 305 day lactation produced 24,746 pounds of milk and 1,411 pounds of butterfat.

The "high cow in milk award" went to Bruce Stanton, Starrucca, who owns a cow by the name of "Marsha" who in 305 days produced 28,689 pounds of milk and 941 pounds of butterfat.

Lifetime award

Charles Dennis Jr., R2, Honesdale received the "high lifetime award". He owns a cow, "Ruth", who in her lifetime has a production record of 222,056 pounds of milk and 8,808 pounds of butterfat.

The "high quality milk award", which is based on the lowest average somatic cell count, was presented to Stanley Stinavage, Thompson.

700 lbs. fat

Dairymen who received special recognition for having butterfat production levels in excess of 700 pounds were: Kevin Burleigh, Pleasant Mount, 760 pounds; Bruce Stanton, Starrucca, 723 pounds; Robert Fries, Aldenville, 722 pounds; James Woodmansee, Lake Como, 719 pounds; and Golden Willow Holsteins, Paul Kennedy, St. Rt., Honesdale, 709 pounds.

600 lbs. fat

Herds with butterfat records in the 600 pound category were: Kinghill Farm, David Soden, Starrucca, 686 pounds; Rowe Bros., RD#2, Honesdale, 681 pounds; Robert Sheard, Milanville, 677 pounds; Robert Fielding, RD#5, Lake Ariel, 668 pounds; John Worobey, Thompson, 663 pounds; Donald and William Bryant, St. Rt., Honesdale, 659 pounds; Paul Kennedy, St. Rt., Honesdale, 650 pounds; Frank Marks, RD#1, Damascus, 643 pounds; Emil Swingle, RD#5, Lake Ariel, 639 pounds; Glover Brothers, Starrucca, 638 pounds; W.E. Newcomer & Son, RD#1, Newfoundland, 631 pounds; Lester Bates, RD#1, Honesdale, 629 pounds; Dale Hocker, Milanville, 620 pounds; E. W. Lepro, RD#2, Thompson, 619 pounds; Frederick Nordenhold, RD#1, Beach Lake, 616 pounds; Clearfield Farms, RD#2, Honesdale, 612 pounds; Alton Oliver, RD#3, Honesdale, 603 pounds; Paparella Bros., RD#4, Honesdale, 602 pounds; and Dean Giles, RD#1, Honesdale, 600 pounds.

New directors

The following directors were elected for three year terms: David Soden, D. Ellis Dix, and Gary Rickard. Additional directors are Llewellyn Courtright, Charles Dennis, Paul Kennedy, Theodore Kostige, Frank Marks, Alton Oliver, Grant Teeple, Marlyn Shaffer, and James Slocum.

The speaker for the annual meeting program was Thomas B. Jurchak, County Extension Director, Lackawanna County. He discussed current milk marketing issues and outlined the various provisions of the proposed compromise dairy legislation.

D.H.I.A. Supervisors employed at the association are: Steve Kammer, Honesdale; Linda Wagner, Hollisterville; Joseph Schriefer, Pleasant Mount; Douglas Phillips, Starrucca, and A. Linford Sampson, Equinunk.



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Berks Holstein Club presents top awards

New directors



New directors of the Berks County Holstein Club include, from the left, David Schuler, David Bitler and Nelson Troutman.

Milk and fat winners



Milk and fat award winners in Berks Junior Holstein Club are, from left, Connie Ohlinger, Scott Troutman, Kevin Sattazahn, Cathy Ohlinger and Kirk Sattazahn.

BY ROBIN PHILLIPS
Staff Correspondent

FLEETWOOD — The Berks County Holstein Club met on Nov. 18 at the Fleetwood Grange Hall, to review the past year and reward outstanding members.

"We have the only undefeated Junior judging team in Pennsylvania," Carl Brown stated as he presented Todd Miller, Patty Dreisbach, Charles Seidel, and Harold Dietrich with \$50.00 savings bonds from the club. Highly praised for their efforts in winning the national title, the juniors and their coaches were heavily applauded.

Christine Williams also praised the Berks County FFA judging team who received tenth place at the national level with stiff competition. One of the members, Glenn Stoltfus, placed 3rd nationally.

Although the awards were mainly dominated by the Berks County juniors, two adult members also received recognition.

Elwood Ohlinger, R1, Mohrsville, and his wife, Ruth, of Reu-Hel Farms, received a plaque from the club for the Highest Herd average BAA of 106.4. Ray Bicksler, Richland, also received recognition for consigning the highest selling animal at the annual sale. "Russelldale Pete Randi" commanded the high bid of \$5000.00 in the annual sale that averaged \$1452.00 on 47 head.

George Merrill, who selected the cattle for the sale presented Bicksler with his plaque and commented on the sale. The question Merrill posed was whether or not the club should keep the sale

Top consignor



Ray Bicksler, of Richland, right, receives plaque from George Merrill, of Berks Holstein Club, for consigning highest selling cow at annual sale.

scheduled for the day after the annual Sire Power Sale.

The Berks County Junior Holstein Club presented silver bowls to the winners of the milk and fat production contest with Connie and Cathy Ohlinger dominating the top spots.

Ranked by milk production, the two-year-old of Scott Troutman with 2-02 305 18,282 3.3% 604, took first place. Herrvales Jasper Jean - Red, owned by Mark Moser with 2-08 years, 294 days, 17,444 3.5% 606, took second place. Ranked by fat, the two year olds of Kirk Sattazahn with 679 lbs. and Scott Troutman with 630 pounds took the

first and second places.

Connie Ohlinger's two - three year olds captured the first two spots for milk production in the three year old division. Reu-Hel Farms RORAE Crissie with 3-04 305 23,381 3.4% 787 was first and Reu-Hel Farms RORAE Robbi with 3-06 305 22,283 3.7% 825 was second. Ranked by fat, Connie's "Robbi" took the first place award and Mark Moser with Lalisa Y Kitty Aaggie, with 3-05 305 19,495 4.2% 816 took second.

The 4-year-old division was completely captured by the Ohlinger sisters as Cathy took first place in milk production and

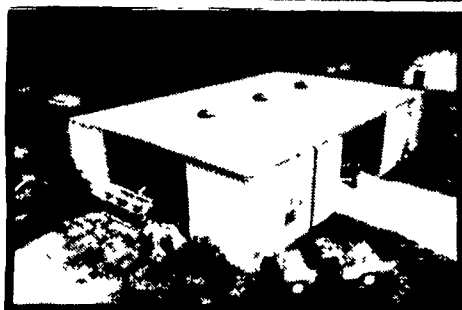
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Berks Holstein Club

Distinguished juniors



Distinguished Junior Member Awards of Berks Holstein Club go to Scott Troutman and Sandra Moser.

second place in fat production with Reu-Hel Farms Mackirby 4-11 305 25,399 3.3% 828. Connie and her Reu-Hel Farms RORAE Shanon with 4-07 305 23,221 4.4% and 1023, took second place in milk production but first place in fat production.

Winner in the five-year-old and older division was Kevin Sattazahn with Zahnheim Charmcross Kelly

and her record of 6-02 305 24,696 2.4% 582.

New directors were elected with David Bitler, David Schuler, and Nelson Troutman elected to fill the posts.

Clyde Myers, Berks County Extension Agent reminded the dairymen that the "little things mean alot." "When morale is low, you don't do those little things," he

stated. He referred to the current dairy situation and its problems. Saying that it is typical with dairymen today, "the morale is low," Myers repeated, "the little things that you do are very important."

Stating that we must look for "the optimum feed level for the maximum profit," Myers mentioned these points:

1. If you lower your somatic cell count by $\frac{1}{2}$, your cows should go up in production $1\frac{1}{2}$ pounds per day.

2. Check tank weights. "That's what you get paid for."

3. In referring to the recent drought, Myers warned, "You better analyze those feeds."

4. Alternative feeds - "Make sure you look at it economically," he stated, saying that they vary tremendously.

5. Feed wastage. "We ought to be weighing this feed and knowing what the cows are eating."

6. Remember ventilation.

7. Check milking equipment regularly.

8. Have a good heat detection schedule.

9. Check water quality.

10. Take care of the calves. "The best genetic potential in your herd is the calves," Myers stated.

Speaker for the evening was Doug Hershey from the State Holstein Association. he encouraged dairymen to promote not only their product but also their superior animals. Encouraging advertising in the breed publications, Hershey said, "We want to encourage that guy to read that ad." Ads help to build a reputation, earn extra income, and attract buyers, Hershey told the farmers. "Advertise your strong points," Hershey concluded.

Herd award



Elwood Ohlinger, right, receives plaque from Berks Holstein Club president Don Myers for attaining highest herd average BAA of 106.4.



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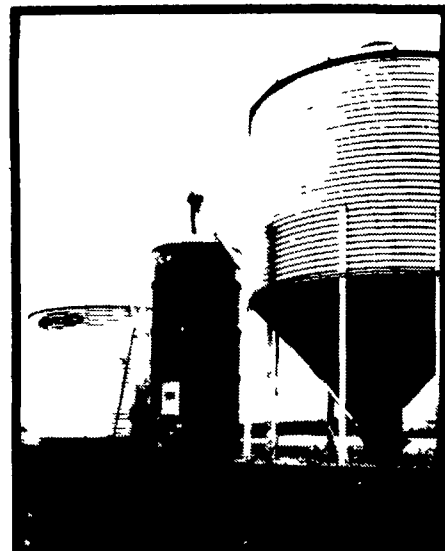
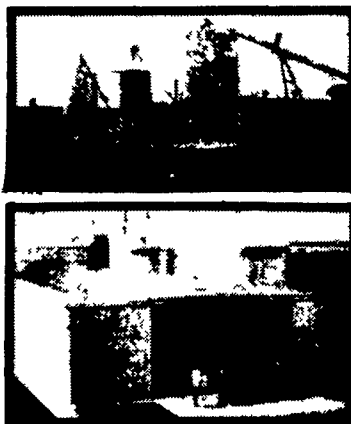
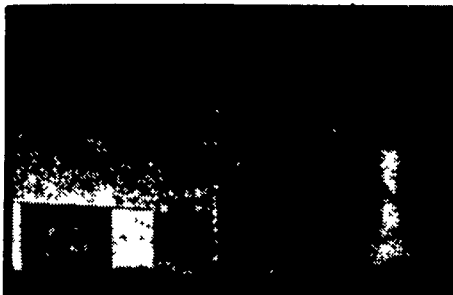
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Fleeners set sights on breeding champion sheep

BY TRISH WILLIAMS

LANCASTER — Quality not quantity is the guiding principle Tim and Sarah Fleener use to manage their flock of registered Shropshire and Hampshire sheep.

It is that eye for quality and the discriminating hand for culling that recently led the Fleeners to a long string of winnings at the Keystone International Livestock Exposition. Having captured both the grand champion ram and ewe in the National Shropshire Show, they went on to the highly coveted Governor's Trophy for a group class.

Years of breeding and showing sheep have earned the Fleeners their obvious ovine advantage. It was showing sheep that originally brought Tim and Sarah together. And a mutual interest and participation in organized sheep activities that brought the couple to head the Pennsylvania Hampshire Association. Tim serves as president and Sarah is the secretary-treasurer for the largest sheep breed association in the state.

Tim grew up in the wide open spaces of Modoc, Indiana. Tim's parents have been showing Shropshire sheep since 1963. Tim took over responsibility for the flock in 1970 and began a program to upgrade the flock.

Sarah, like her mother and grandparents, is a Lancaster County native. She was raised and still lives on her family's farm that seems as if it is being swept ever closer to Lancaster, as urban sprawl nears their farm, only a mile and a half from the Park City Mall.

Sarah's parents, Clyde and Dorothy Brubaker, have raised Hampshire sheep for more than 20 years. Her parents started her and her brother, Ken, raising sheep when they were young. Sarah was only nine years old when she began showing sheep in 4-H competition.

In 1980, Sarah's last year of junior showing competition Sarah had achieved a level of quality in her Hampshire show string that permitted her to participate in the North American International Livestock Exposition, in Louisville, Ky.

That same year Tim's string of Shropshire show sheep did well enough that he postponed going to college at Kansas State University in order to compete at Louisville. Vicki, an excellent show ewe of Sarah's was penned next to Tim's sheep. Tim offered to buy her from Sarah, she wouldn't sell her, but nonetheless Vicki had brought the two together.

Now the couple maintains a flock of each breed and continues to show with ever more success. The Fleeners have 35 Hampshire ewes, two stud rams and ten fall lambs. They also raise 20 Shropshire sheep.

Emphasis in the breeding program is placed on good ewes.

"We haven't spent a lot of money on rams," Tim explained. "We base most of our progress on the ewe. If the ewe doesn't produce year after year, she is shipped."

"We like to see twins and triplets out of our ewes," Sarah added. "If we have an outstanding ewe family, and the ewe throws single births, we will keep some of the outstanding lambs. If her lambs are not outstanding, then she goes. A lot also depends on her milking ability. We do have one commercial ewe that we keep because she throws good market lambs and she is a terrific milker. We can milk her out and freeze the milk for orphan lambs or lambs not getting enough to eat."

"Probably the worst ewe we have now, we have a ram out of that won the champion ram at Farm Show," Tim stated, stressing the importance of culling.

How did the Fleener's achieve



The Fleener's pasture their sheep on a rented meadow near their home. Each day they make a head count and health check of the flock.

this level of quality in their sheep. Tim attributes much of the genetic progress to a program of carefully planned inbreeding. As an example of half brother and half sister of outstanding quality might be mated.

Embryo transfer is a genetic tool these progressive breeders are considering.

"Right now embryo transfer techniques in sheep still need refinement," Tim explained. "Most of the work is being done in Illinois. I think the going price for a transfer is around \$500. At that price I would want to know it was a sure thing. But I would definitely go that way when it is refined, that way I wouldn't have to haul a ewe clear across the country."

Feeding a balanced ration is also given much attention. The Fleener's flock is fed a custom mixed concentrate consisting of cracked corn, rolled oats, soybean oil meal, molasses and Vigortone minerals. Tim estimates the cost of the concentrate at about \$200-\$220 per ton depending on grain prices. He feels the ground concentrate gives better feed efficiency than commercially pelleted feeds that "tend to lay in the bottom of the sheep's stomach."

The crop and pasture land on Sarah's grandfather's farm is used to feed his commercial beef animals. So Tim and Sarah buy all the feed the sheep require, and rent pastures for grazing their sheep from neighbors.

The sheep are divided into three flocks for pasturing, two flocks of Hampshire and one flock of



From their year's of showing sheep, Tim and Sarah Fleener have accumulated quite a collection of ribbons, banners, trays and trophies, which they display in their home.

Shropshire.

"We try to keep them on pasture as long as we can so we don't have to purchase feed," Tim said. "When the ewes have lambs we feed them 2.5 to 3.0 pounds of concentrates."

4-H members in the Lancaster Woolies club have also benefited from the sheep production experience of Sarah's parent, Clyde and Dorothy, who are leaders of the club. The Brubakers have helped to organize shows and sales.

Dorothy has a special interest in lead line competitions. She has coordinated the lead line competition at the KILE for four years. Sarah who competed in the contest for six years herself, has helped her mother to run the contest for

the last two years, and this year for the first time they organized a lead line contest at Lancaster County's roundup.

Ken, Sarah's brother, still has an interest in sheep, although he no longer lives on the farm. Ken was the auctioneer for all but the Suffolk sheep auctions held in conjunction with KILE.

With this kind of family involvement and expertise one might assume that sheep farming was a full-time job for the Fleeners. It is definitely a full-time avocation, for Tim who works full-time for Warner Lambert in Lititz. And for Sarah it is a lifelong love of the species that she believes has a personality more like humans than any of the other barnyard animal.



Sarah and Tim are pictured with their grand champion ewe and ram at the 1983 National Shropshire Show.



This Hampshire ewe, Vicki, is responsible for bringing Tim and Sarah together. Tim wanted to buy her from Sarah, but she wouldn't sell. So Tim had to marry Sarah to get "joint custody" of Vicki. As one can see the relationship is a growing enterprise.

Avian experience

(Continued from Page A1)

Hallowell said. "We want to be sure this funding best meets farmers short-term needs and helps keep them in operation."

The agriculture secretary said "Any indemnity program would be a first step in a coordinated effort to keep the state's \$400 million poultry industry a viable part of the state's economy. We are seeking input from farmers and agribusinesses to insure that the state's effort is best tailored to support a rapid full recovery and considers the overall problems within the poultry industry."

Hallowell said that George Werner, executive director of the Economic Development Committee of the Cabinet, and officials

of the Departments of Commerce, Community Affairs, Labor and Industry and Budget, met Friday afternoon with representatives of agribusinesses affected by the outbreak of the virus.

"Economic impact information from the industry should provide accurate figures to consider in setting up state level recovery initiatives," Hallowell said.

State Senator Noah Wenger, State Representative Ken Brandt and other legislators from the quarantine area have spearheaded efforts to seek additional state assistance for the industry. Hallowell noted that their continuing cooperation has been important in making realistic plans for a response to Avian in-

fluenza's effects on farmers and businesses alike.

Thornburgh requested that Hallowell meet with industry leaders, farmers, and legislators in recent weeks to assess the effects of the outbreak and consider a variety of alternative state actions to provide further assistance.

"We will continue these cooperative efforts and do whatever is within our abilities to help the Pa. Poultry Industry survive the crisis," Hallowell said.

birds that survived the flu, 177,000, were slaughtered Nov. 20 and 21 by USDA-sponsored task force members.

With the houses now empty and the "happy chickens silent," Warren and Alicia Miller can look back over their situation and begin

the task of rebuilding their farm.

Looking back to April when a mild strain of avian flu was diagnosed in some flocks, Mrs. Miller said they were concerned about the disease and had taken precautions to protect their operation. Tours to the farm were stopped, and trucks transporting eggs to brokers were taken to car washes to prevent the flu from spreading from farm to farm.

Despite the precautions, the highly pathogenic strain of avian flu struck the Miller farm. The problems began in a small area on the southside of the complex, Miller said. The disease then spread across the four laying houses.

To add to the frustrations the Millers were experiencing, the egg market was high and they had no eggs to sell. "It was a very frustrating and helpless feeling," Mrs. Miller said.

The frustrations are continuing for the Millers, who have been married 23 years. Poultry houses have to be paid for, and the job of disinfecting the poultry houses to the specifications of the task force lies ahead. But, as Miller said, there is no turning back.

Before the Millers can receive indemnity payments for the lost birds, the task force must approve the disinfecting of the houses. The houses must also lie idle for 30 days.

Will the Millers continue in the poultry business? The answer is yes.

Miller said he has pullets, being grown elsewhere, that will be 20-weeks old in January. He hopes to have his clean-up approved by Dec. 10 so he can move the birds into the houses by mid-January.

The Millers said the task force has been a tremendous help in getting them and other poultrymen through the avian flu ordeal. Competition barriers have been broken, Mrs. Miller said, and everyone has united to fight the disease.

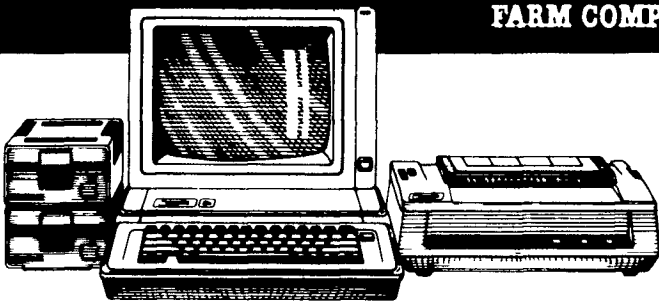
"The allied industries are really working for us," she said. "They're not just concerned for themselves but for us also."

In a Dec. 1 update of the avian flu situation, 88 flocks were diagnosed with the hot strain of the virus. Sixty-five of those flocks, representing 3,667,000 birds, have been depopulated thus far.

According to poultry industry spokesman Tim Allwein, the avian flu is being contained with the federal-state imposed quarantine zone. Only one flock since Nov. 21 was diagnosed outside the quarantine. This was a flock of 31,000 layers in Willow Grove, Salem County, N.J. The flock was depopulated and an avian flu satellite office was established in New Jersey.

(Turn to Page A26)

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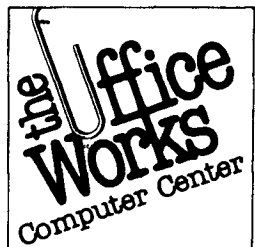
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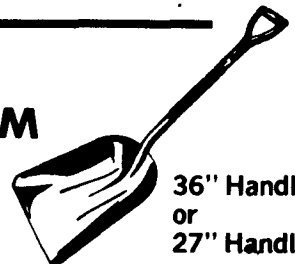
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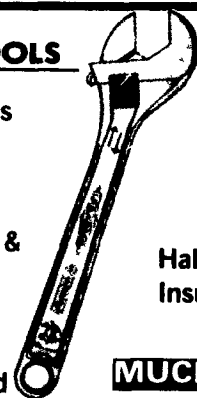
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DHIA tester's farming dream comes true

BY LAURA ENGLAND
WILLIAMSBURG — Like many young dairyman today, Richard Bigelow has always dreamed of being a farmer and living those experiences which only a farmer can - waking each morning before the sun rises above the eastern mountains, working in tune with nature and all her elements, and reaping in the pleasures of being your own boss.

And like many young dairyman, Rich, 25, learned years ago that it takes patience, hard work and a few lucky breaks along the way to mold a dream into reality. Most importantly, Rich learned that a dream isn't impossible.

Now farming a 129-acre dairy farm located along Route 22 west of Williamsburg in Blair County, Rich and his wife, Cindy, are enjoying the farm life. However, they haven't forgotten the trials and errors they've been faced with or the people and circumstances that have proved beneficial to their start and their future.

This is their story.

A 1976 high school graduate, Rich wanted to start farming with his dad, William, but with two younger brothers also interested in dairying, he knew it would be hard for all of them to stay together. Rich began looking for other options and came across an opening in the county Dairy Herd Improvement Association.

Then DHIA supervisor Kenny Brenneman decided to leave his position to work full-time for an area dairyman. A new milk tester was needed and Rich was there.

"Everything just fell in place," Rich said. "All this happened

during the summer, and I started testing Sept. 1."

Rich tested milk for the next three years, but his yearning to farm grew stronger. Then on March 1, a farm located about a mile and a half from his parents homestead went up for sale, and Rich jumped at the chance.

It wasn't until Nov. 19 that Rich owned the farm. From the time the offer to buy came up - and until all paperwork was done - Rich rented the 129 acres. He bought all the original land, except for two acres owner Vince Leibal kept for a house.

Buildings on the farm included a barn, a house and a couple of sheds. Still single at the time, Rich decided to rent the house out and continue living at home. Another big decision he made was to continue his DHIA job - dueling as a milk tester and dairy farmer.

For the first year, Rich raised and sold his crops. This allowed him time to build-up financially for his dairy herd which he added September 1980. With no cows on the original farm, Rich had to start his herd from scratch, picking up cows along the way and housing them at his father's farm.

The work schedule was another detail Rich had to work on. To continue testing milk, Rich hired his brother, Dave, to do his milking and help with other chores. Rich did the cleaning, feeding and field work in between testing twice a day.

This was the work routine until June 12, 1982, when Rich married the former Cindy Brumbaugh. Cindy, a farm girl herself, put her farming talents to work and helped



Richard Bigelow credits his family's support and help for much of his farming success. Here, the Bigelow family, from left: brothers Randy and Dave; sister Jenny; mother June; Rich and wife Cindy and daughter Diana Marie; and father William; pose after a Sunday church service in front of Rich's first tractor, a John Deere 60.

ease the burden of Rich's work load. Cindy had previously worked at Leidy's Greenhouse, Williamsburg.

Looking back over the past four years, Rich said he is thankful he could get started in dairying. "If it's not the money that holds you back," he said, "it's the competition from others trying to get started that can be a setback."

But competition and money weren't the only things Rich had to worry about. The farm wasn't without its problems and repairs.

For starters, the well had to be redrilled, a new roof was placed on the barn, a new milk tank and some other remodeling was needed in the barn and a gutter cleaner was added. These repairs, Rich said, were done when money was available, and all were paid in cash.

Making repairs when cash is available is one thing Rich still follows today. Rich said he does this so "I don't get sold out and I don't have to borrow money."

"The best investment a farmer can make," he said, "is a paper and pencil. It's better to figure things out before buying."

Doing repairs on your own helps, also, Cindy added. "It takes more work, but you don't have to worry about paying money back," she said.

Holding his job as a milk tester helps financially, too, Rich said,

but at this point he stays with the job because he enjoys it.

For Rich, testing milk has been the equivalent of going to college. He has picked up practical information from the 27 farmers he tests for, and he's gotten an appreciation for others problems.

"You think you have problems," he said, "and then you see others

and your's seem so small."

Rich travels between 800 to 1,000 miles each month for his testing job. His farthest herd is 15 miles away, but he doesn't mind the traveling. "I test for a great bunch of farmers," he said.

Back on his farm, which he named "Dippy Acres," Rich and

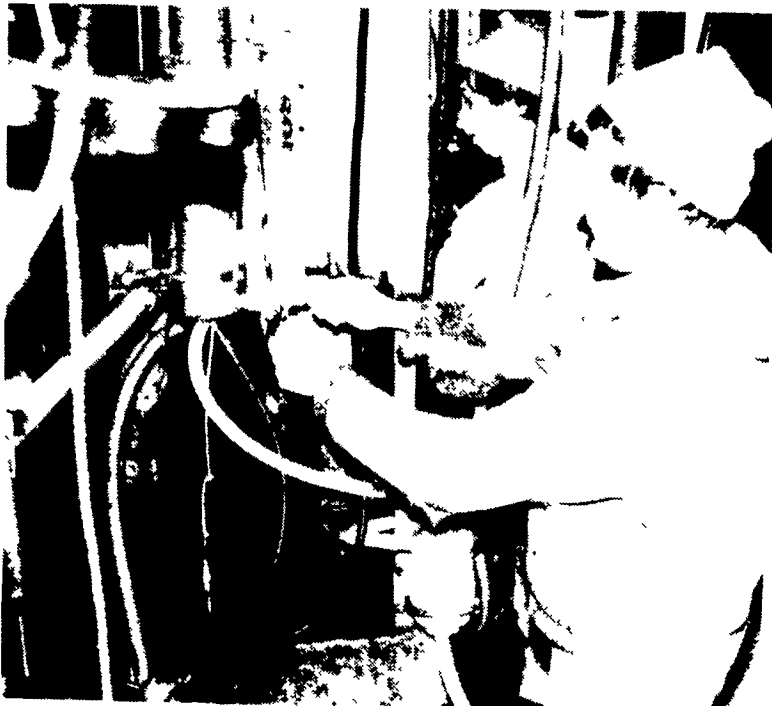
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Looking for ways to increase his herd production, Rich, left, recently purchased these two 20,000-pound producers from the Lilly Ann Nichol dispersal. With Rich are brothers Dave and Randy.



Married for about a year and a half, Rich and Cindy Bigelow are proud of the newest addition to their growing farm family, their first child, 11-week-old Diana Marie.



Blair County milk tester Richard Bigelow prepares to draw a butterfat sample from one of his milk testing units.



The 129-acre dairy farm of Blair County DHIA Supervisor Richard Bigelow sets along Route 22 about 5 miles west of Williamsburg.

Farming dream comes true

(Continued from Page A24)

Cindy are milking a herd of 30 registered and grade Holsteins. The herd average is 14,000, up from 11,000 when the couple started milking. Rich hopes to bring the average up to 17 or 18,000.

In addition to their daily chores, Rich and Cindy have taken the time to get involved in county and area farm organizations. The two served as the Valley Rural Electric Cooperative Couple, the county Pennsylvania Farmers Association young couple, and the Inter-State Milk Cooperative South Central young couple.

Rich, a former standout member of the Williamsburg Chapter of Future Farmers of America, is currently vice president for the Williamsburg Young Farmers, and also serves as a county director for PFA.

With past accomplishments behind him and bright promises for the future, Rich said he credits his family for much of his success. "My biggest asset has been my family," he said, "If it weren't for parents and brothers and sister, I wouldn't be here."

The Bigelow family pitches in with chores when Rich needs an extra hand. Also, he and his family share machinery which cuts down on costs.

Rich, named a 1983 recipient of the state DHIA distinguished service award, has encouraging words for young farmers trying to get a start. "It's important not to get discouraged," he said. "If you really want to farm, something will work out."

This has been the case for the young Bigelow family, but it hasn't been without hard work, trials and errors along the way, and help from family members and area farmers. For all this, Rich and Cindy are thankful.

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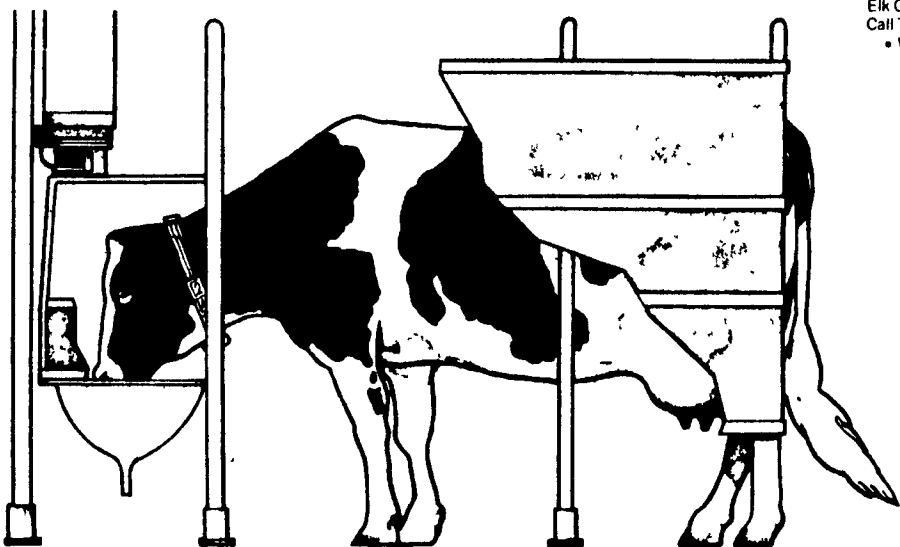
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When testing at local farms, Rich sets up his own office - in this case, an old wheel barrow - from which he can record his milk test samples.



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Conditioning is important to good haylage

Avian Influenza



(Continued from Page A23)

With the situation contained and under control, John Hoffman, director for the Pa. Poultry Federation, said: "We don't seem to be much of a crisis center now. We can settle down and concentrate on managerial tasks."

An issue the task force plans to speak on next week is the economic impact avian flu will have on the state poultry industry. A statement will be prepared by the task force, Allwein said.

NEW HOLLAND — Conditioning is especially important for good haylage results, says Mark Good of New Holland. When it's excessive you increase field losses. Underconditioning is undesirable because it will increase the time the crop is at risk to rain damage unless you chop it at higher than desirable moisture contents.

Flail-type conditioners that work in grass are usually too aggressive for alfalfa and clover, says Good, because of the larger leaf loss they cause. Rubber faced roll-type conditioners were designed for alfalfa and are still the most effective for the crop, he notes.

Farmers are making much better haylage now than just a few years ago, says Good, who is product manager for hay tools at New Holland. It's a matter of having better information all the way from growing the crop to feeding it, he adds. This is largely due to the practical research of dairy scientists, agronomists and engineers who've been working on the problem for over 20 years. But farmers' cut-and-try experience has been important, too.

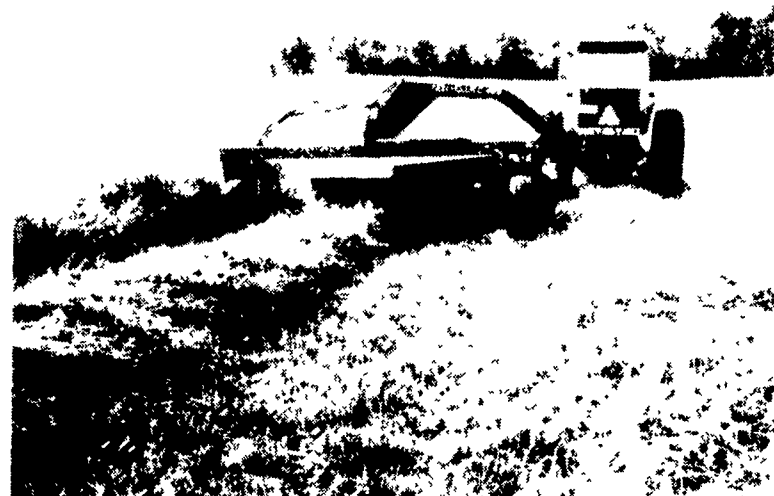
Agronomists have figured out how to improve yields and keep stands productive longer. Through

forage testing we've learned to cut alfalfa for haylage in the bud stage before flowers appear to get the best protein and feed quality. And machine design engineers have provided the tools for harvest. Conditioning is an important part of the process.

For haylage, it's important to use enough roll pressure to have the plant stems bruised every few inches but not enough to break the leaves loose from the plant stems. The leaves should be fastened on the stem when the plant goes through the conditioner. Looses will be excessive, otherwise. Drying will be more uniform when the plant is neither over or under-conditioned. This is important for fermentation in the silo.

The moisture considerations seem to be more important than we thought a few years ago. The natural moisture inside the plant seems to support a more desirable fermentation than water you'd add externally if the crop gets too dry in the windrow. Waiting for the dew to remoisten the leaves in the evening when haylage has gotten too dry isn't fully satisfactory.

When hay has gotten too dry in the windrow for good haylage it is probably better to bale it for hay, says Good.



Conditioner management, like stages of maturity, is a key item in making quality haylage. With a wide-roll conditioner, it's easy to get faster wilting on the first rounds you cut so chopping can start earlier. For the balance of the field it can be an advantage to deposit the crop in a windrow ready for chopping without raking if the weather is favorable.

The most favored moisture content ranges are 45 to 65% (moisture). When the crop dries under 45% moisture (55% drymatter) baling for hay is probably advisable instead of chopping for the silo.

Generally, moisture contents can be a bit higher if you store haylage in a conventional silo. And perhaps a bit lower if you use sealed, or oxygen-limiting silos. Large diameter silos and wide, deep bunkers may benefit from slightly wetter material because heat of the fermentation process

has to be conducted to the outside before the silage cools down to ambient temperature.

Managing the cutting and conditioning for chopping in a narrow moisture range isn't a problem if you adjust the windrow shields for varying width swaths or windrows. By depositing the crop in a wide swath at the start, you speed up the wilting process so you can start chopping sooner. Then if you narrow the windrows as mowing progresses you will slow the wilting so those windrows won't be too dry before you can get to them with the harvester.

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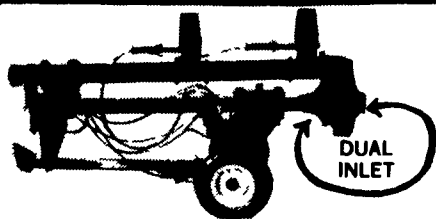
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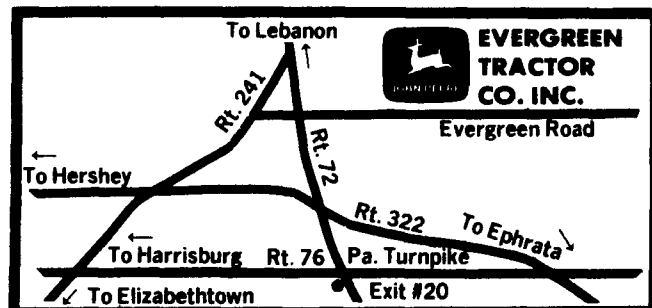
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Citizens water group urged for Wayne

Sec. Block to address PACMA banquet

HONESDALE — Wayne County should establish a citizens advisory committee to monitor and comment on all plans and proposed changes affecting water in Wayne County, according to Jerry Hansler, Executive Director Delaware River Basin Commission.

Hansler, was one of the speakers at the third meeting on management of water in the Delaware basin sponsored by the Wayne County Planning Commission, the Wayne County Extension Service, and the Wayne County Commissioners. Other speakers were Robert Fish, River Master, Milford; Ed Wesley, former chairman of Potomac River Basin Citizens Advisory Commission; and William Douglass, Wayne County Planning Director. Robert Mermel, Radio W.D.N.H. served as panel moderator.

The emphasis of this meeting was the role of Wayne County and its citizens in affecting policy of water management in the Delaware. Hansler explained that waters of the Delaware River are managed by the Delaware River Basin Commission which was formed in 1961 by a compact between the states of New York, Delaware, Maryland, and Pennsylvania and the federal government. Hansler explained that New York City has a right to use water from reservoirs in New York State. However, sufficient water must be released during drought to provide 1750 cubic feet per second at Montague, N.J. This is about ten

times as much water as would be expected to flow during drought periods if there were no reservoirs to provide this extra water.

At the present time there are proposals to modify the Prompton Dam to provide additional flow of water during drought periods. In addition there will be modifications to the Cannonsville Reservoir. Due to citizens comment on the affect of the Cannonsville releases, Hansler said modifications will be adjusted to improve the quality of water releases.

Wesley described some of the effects of the work of the citizens group concerning problems on the Potomac and felt a citizens advisory group for the upper Delaware could be as effective.

Fish described his role in daily measurement of river flow, calculating effects of weather and releases from the electrical power generating dams, and then determining the amount of water that must be released from the New York reservoirs.

Douglass stated the planning commission reviewed all plans of the Basin Commission and advised the county commissioners as to the effect of the plans on Wayne County. The planning commission will also work with the corps of engineers on the recreational facility plan if the Prompton Dam is modified.

Reported by Joseph Macialek, Regional Community Resource Development.

HARRISBURG — Over 1200 persons are expected to ne present Wednesday evening for the 1984 Market Outlook Conference banquet to hear special guest speaker U.S. Secretary of Agriculture, John Block.

The conference is sponsored by the Pennsylvania Agricultural Cooperative Marketing Association, a division of the Pennsylvania Farmers Association.

This is the second year for the two-day event that is to be held at the Farm Show complex, in conjunction with the 21st Annual Golden Harvest Dairy Cattle Sale.

Five seminars running concurrently on Wednesday morning from 10 to noon will focus on innovations in marketing. Nationally respected agribusinessmen will present fresh ideas for more profitable marketing of agricultural commodities in the following seminar groups: dairy, livestock, poultry, grain, and fruits and vegetables.

Dairy Seminar speakers are: Gordon Riehl, general manager, Milk Marketing, Inc.; John F. Duffy, Account Supervisor, Batz Hodgson, Neuwoehner, Inc.; and Walter Stemler, Illinois dairy farmer and board member of Mid-America Dairymen, Inc.

Livestock Seminar speakers are: Al Keating, livestock marketing specialist, American Agricultural Marketing Assoc.; and Steve Hancock, livestock marketing representative, Georgia Farm Bureau Marketing Assoc., Inc.

Poultry Seminar speakers are: Robert C. Baker, Dept. of Poultry

and Avian Sciences, Cornell University; and John R. Pedersen, president, Poultry and Egg Fax, vice president, United Egg Producers.

Fruits and Vegetables Seminar speaker is William S. Farrington, director of horticultural crops, Am. Farm Bureau Federation.

Grain Seminar speakers are: John E. Stehr, manager, Gov. Affairs, A.E. Staley Mfg. Co.; and Gerry Hildebrandt, vice president, Clayton Brokerage Co. Research for Futures.

Participants will be provided the opportunity to visit commercial exhibits immediately following the noon meal.

At 2 p.m. participant will reconvene as one group to hear the nationally known speakers make their "Outlook '84" predictions for dairy, livestock, poultry, grain, fruits and vegetables, and farm credit.

The evening banquet held in the main exhibition of the Farm Show building will feature super food innovations for 1984.

Special guest speaker, John Block, is scheduled to address the group following the meal at 7 p.m.

The Golden Harvest Dairy Cattle Sale is slated for Thursday, and will feature consignments from nationally known herds. Held in the small arena of the Farm Show building the sale will get underway at 9:30 a.m. Over 80 outstanding cows and bred heifers from top herds will be sold.

A seminar on Futures Markets is also scheduled on Thursday, and will provide participants with workshops in forward price hedging.

More information on the Market Outlook Conference and Golden Harvest Sale can be obtained by calling PACMA at (717) 761-2740 or toll free 1-800-382-1356.

Md. yule tree guide available

ANNAPOLIS, Md. — A sure sign of the approach of the Christmas season in Maryland is the availability of a guide to the state's "Choose and Cut" Christmas tree farms for those who like to obtain the freshest trees around.

The directory is now ready and may be secured at public libraries and Cooperative Extension Service offices across the state or by sending a self-addressed, stamped, business size (No. 10) envelope to: "Christmas Tree" C/O Maryland Department of Agriculture, 50 Harry S. Truman Parkway, Annapolis, Md. 21401.

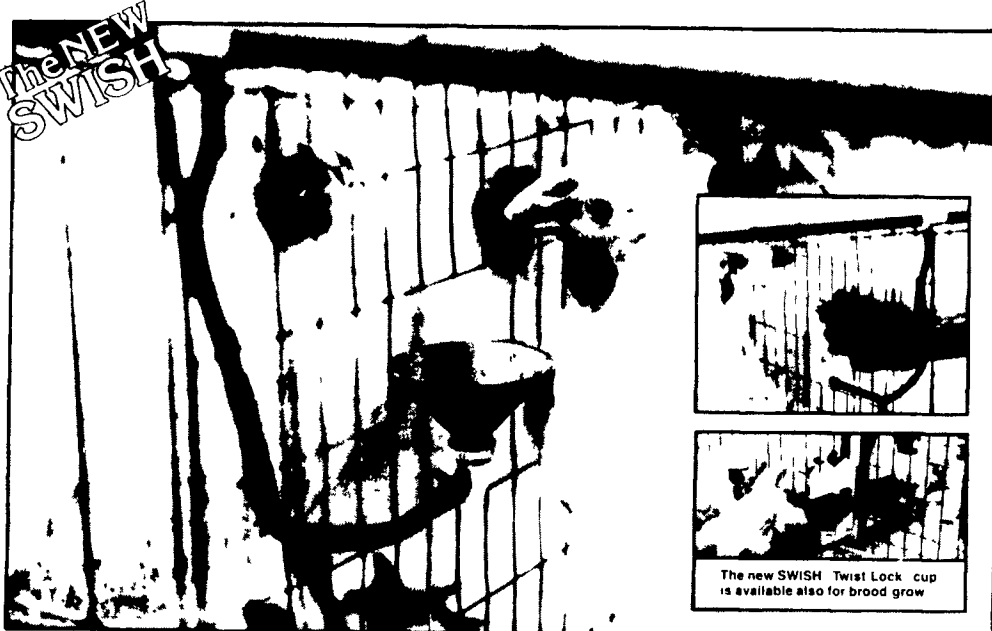
According to George Roche of the Maryland Department of Agriculture, who works with the Maryland Christmas Tree Association in compiling the annual directory, "this year we have 30 growers and one farmer-owned retail sales lot listed. Five of the

listings are new and two additional counties are represented — Cecil and Howard.

"People in recent years have made a trip out to the tree farm a part of their Yule season festivities and take great joy in selecting their very own tree from among hundreds right in the growing fields.

"The directory gives complete directions, telephone numbers and hours of operations of all the listed growers. Those seeking a special specie of tree should find the directory a real help because for 1983 growers in Maryland are offering not only the traditional Scotch pines, White Pines and Norway Spruces, but also Austrian Pines, Concolor Firs, Fraser Firs, Douglas Firs and Blue Spruces as well.

"Twist-Lock" cups: newest innovation from the new leader



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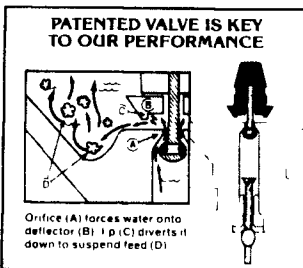
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Get all the facts about our new cup and other SWISH innovations. See your SWISH distributor or contact us.



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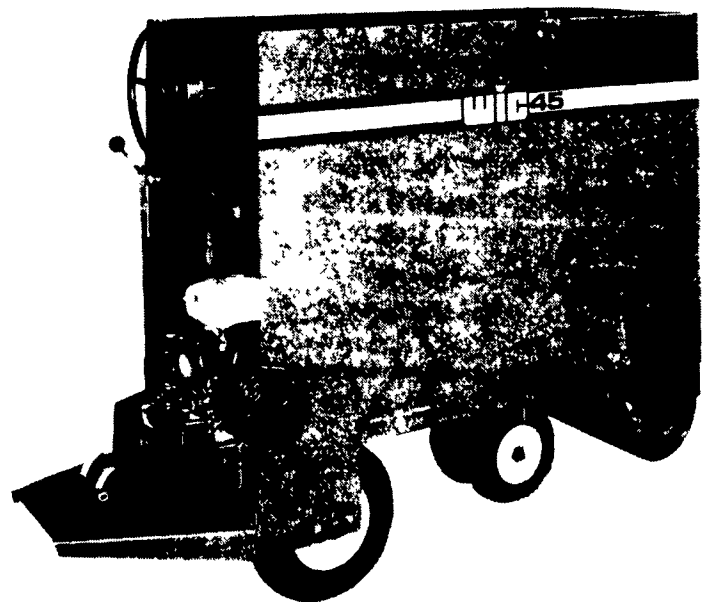
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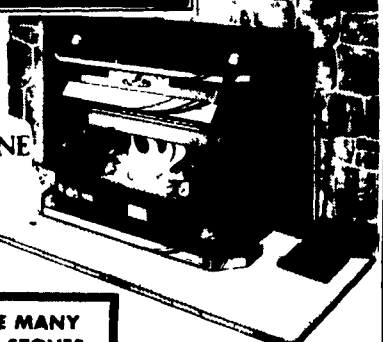
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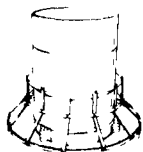
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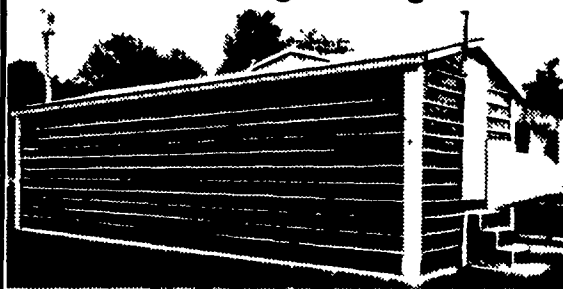


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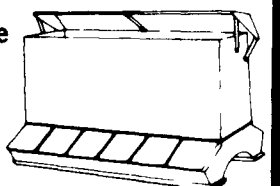
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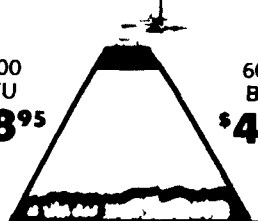
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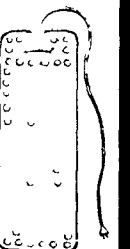
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140 finish Dairy Dash

SCRANTON — An estimated 140 runners went the distance in the first-ever "Dairy Dash," a 10-kilometer road race held recently in Scranton. The event was co-sponsored by the American Dairy

Association and Dairy Council and the Pennsylvania Department of Agriculture.

Bob Pulz of Windson, N.Y., won the men's title with a time of 30 minutes 46 seconds, while Michelle Olshefski of Wilkes-Barre, took first place in the women's division with a time of 40 minutes 31 seconds. Dave York of Scranton won the men's crown in the two-mile "Fun Run," with a time of 10 minutes 22 seconds. The women's "Fun Run" title was captured by Mary Kearns of Scranton, with a time of 12 minutes 49 seconds.

Dairy products were highlighted throughout the day. The top three winners in each division were presented with a basket of Pennsylvania dairy products donated by Weis Markets, Dairy Lea, Caleb's Cheese House and Falbo's Dairy.

James H. Sumner, director of the Bureau of Markets, Pennsylvania Department of Agriculture, Ralph Lindsey, executive vice president of the American Dairy Association and Dairy Council, and several Pennsylvania county dairy princesses distributed the baskets as trophies and ribbons at an award ceremony following the events.



Dairy Princesses congratulate 1st place winners in 1983 Dairy Dash: left to right are Columbia-Luzerne County Dairy Princess Karen Bissinger; Wayne Parfitt; Jennifer Doyle; Pete Doyle; Diane Stuart; Marsden Urmanec; Michell Olshefski; Bob Pulz; M.J. Kelly; Mary Clare Kearns; Anita Wisley 1st runner-up Pennsylvania State Dairy Princess, Anita is from Bradford County and also serves as the Bradford County Dairy Princess.

Eastern expanding retail program

SYRACUSE, N.Y. — Eastern Milk Producers Cooperative is renovating a former Agway store — in Newark, N.Y. for use as a retail dairy product and food store, according to co-op President, Earl Forwood. The North Main Street facility is set for a grand opening shortly before Christmas.

For only the last four years Eastern has been building a successful dairy product sales network for its members and rural people, called the Dairy Products Division. In that short time, annual sales volume has risen to more than \$7 million. In the program, bulk cheeses and other bulk quantity foods are delivered to customers on tractor-trailer trucks, at pre-set locations.

"In June, 1982 Eastern converted a service station in Wellsboro, into an attractive retail store, and based on the business success of that experience, we are creating a similar store in Newark," said Michael Donovan, Manager of Eastern. "We want to promote the sale of high quality dairy products to the public and our members in the area."

The Newark store will sell bulk and cut cheese varieties, meat products, and dip ice cream. The store also will have a deli, serving subs, pizza and hot dogs. All bulk products currently available in the truck delivery system will be sold at the new facility.

Thad Woodward, of Canton, is manager of the Eastern program. He said Alma Henry, of Blossom Road, Newark, has been hired as store manager. For the next several weeks Ms. Henry will work in a training program at the Wellsboro store, but already she says, "Newark customers will be surprised at the top-notch brands and the low prices."

The Agway store was closed more than a year ago, and has been vacant since that time. Eastern purchased the facility Nov. 8, and now is renovating the structure. Work includes leveling and reinforcing the main floor, removing old masonry, constructing the deck with outside seating areas, and replacing the front window. Total renovation improvement costs are projected at \$60,000.

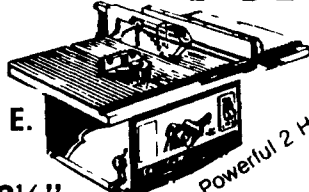
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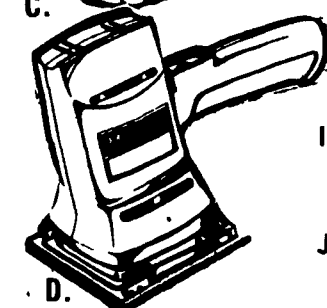
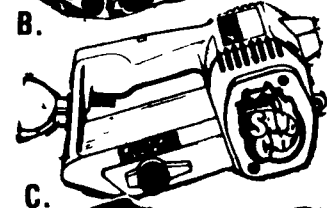
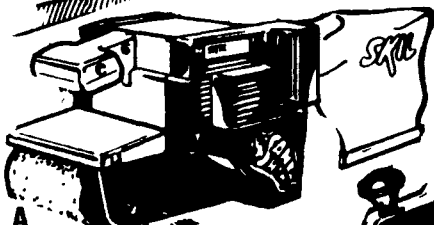
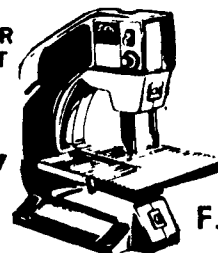
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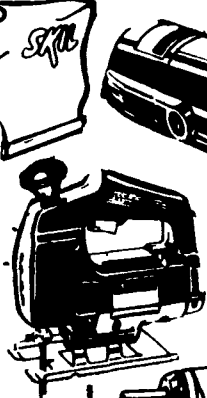


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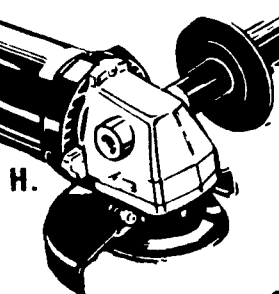
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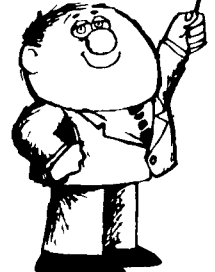
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Richlawn Farm sweeps York DHIA honors

BY JOYCE BUPP
Staff Correspondent

YORK — Smyser's Richlawn Farm made nearly a clean sweep of top awards during York County's annual DHIA banquet last week at the Holiday Inn.

With 68 head of registered Holsteins averaging 21,485 milk and 792 fat, the family dairy operation topped the county's DHIA listing for October, 1982, through September, 1983. With a total of 690 pounds of protein, the herd also edged out all other county herds on protein production.

Two individuals in the herd earned the Smyser's plaques for high 305-day milk and fat lactations.

Richlawn Pritt Capsule Tara, completed a seven-year 305-day record with 33,278 milk and 1104 fat, testing at 3.3 percent.

Her herdmate, Richlawn Apollo Posch Alice, took honors in the fat division, with a six-year lactation of 26,620 milk, 1207 fat, testing at 4.5 percent fat.

Richlawn Farms, East Berlin Road, York, is operated by Richard and Marie Smyser and

their sons, Robert and Rodney. Raised on the farm where the family maintains their outstanding herd of producers, Richard began milking cows in 1947. Robert and Rodney comprise the fifth generation of Smyser's to dairy at the century farm.

An award for high lifetime milk and fat went to a long-time herd favorite of Philip Laughman, Thomasville R1.

Harbros Rag Apple Baron Fanny, during her 13th lactation and over 21 years old, finished with lifetime production totals of 239,880

milk and 10,077 fat.

Stump Acres, York R6, won recognition as the most improved herd in butterfat in the over-550-pounds category. The 90-cow herd of Joe and Glendora Stump jumped 113 pounds of fat during the DHIA 1982-83 year, finishing with 773 pounds of fat and a milk average of 19,905.

Logging a 116-pound fat jump from the previous year was the 43-head herd of Lonnie and Nina Robinson, Airville R1. The Robinson's herd finished the year with 527 fat, earning them a plaque for the largest herd increase in the 400-500 fat range.

Awards of merit were received by three of the county's testers. Marianne Walter, Jeff Grove and David Miller earned their certificates of recognition for efficiency and correctness in handling their testing duties.

During the business session, three new directors were elected to seats on the county DHIA board.

Chosen to fill the three-year terms were Troy Zirkle, Manchester R2, Edwin Calhoun, Glen Rock R2, and Dale Doll, Glen Rock R1.

Martin Grey, president of the county DHIA organization, in his report to members, advised that a testing fee increase may be necessary in the next year to cover higher fixed costs encountered in operating the program.

A slowed cash flow situation, due to lagging payment by some members, has also created some bookkeeping problems for the association, and could result in tighter fiscal policies on testing fee payments.

Awards and ribbons were sponsored by several York area agri-businesses. Supporters included Spangler and Sprengle, Agway, Farm Credit, W. L. Mummert, Carnation Milling, Service Feed and Supply, Pennfield Corporation, Beacon Milling, Ashcombe Dairy and the Pennsylvania DHIA.



The Smyser family's Richlawn Farm won a bevy of top honors during the York DHIA awards presentations. Among their accomplishments are high bred for milk, fat and protein, and high 305-day lactations for both milk and fat. From left to right are Joyce, Rodney, Marie, Richard and Robert Smyser.



Phil Laughman, left, was owner of the high lifetime lactation cow for York DHIA in 1983. Lonnie Robinson, center, increased his herd fat production a total of 116 pounds, and Joe Stump accomplished a 113-pound fat increase.

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Dairy bill signing

(Continued from Page A1)

program, whereby farmers who reduce production up to 30 percent will receive \$1 per hundred for milk not produced.

Alpheus Ruth, president of Lehigh Valley Farmers, also attending the NMPF meeting, gave a different reaction to the new law in a telephone conversation. Lehigh Valley Farmers, the Pennsylvania based milk cooperative, markets directly to the consumer, has a

strong advertising program and is in the unique position of not having enough milk from its own producers to meet its consumer demand.

"I am afraid participation in the paid diversion program may create milk shortages in the Northeast," Ruth stated. "I think it would have been better to cut the support price, this would have better helped to reduce the milk surplus in states where it is

needed, California, Minnesota and Wisconsin."

Ruth said, because Lehigh Valley Farmers must annually buy 12 to 18 million pounds of milk to meet its demands, that LVF will not be encouraging dairymen to participate in the paid diversion.

In contrast Lenny Zamitis, spokesperson for Eastern Milk Producers, said, "Eastern is very pleased Reagan signed the compromise bill. Just last week we had sent letters to our producers asking them to write to President Reagan to request he sign the bill."

"We believe the compromise bill was the only proposal that would reduce milk production and do so equitably and fairly," Zamitis continued. "Eastern will work to see that the compromise is fully implemented and works. We will encourage our shippers to look at their own situations and the provisions of the bill to determine if they should participate in the paid diversion program."

Zamitis is planning a special issue of Eastern's monthly publication for January. Its purpose is to provide the producers with worksheets and other management tools to aid in the decision making process.

Producers may start to sign up for the paid diversion program beginning Jan. 1, 1984. The 15-month program is voluntary and

will be effective from Jan. 1, 1984 to March 31, 1985.

Farmers who agree to cut production by between 5 and 30 percent would receive federal diversion payments of \$10 for each hundredweight of milk production that a farmer reduces below his base level. The base level would be based on 1982 production, or, if the producer chooses, the average production during 1981 and 1982.

To prevent evasion of the program, the legislation includes features such as a ban on sales, leases or transfers of dairy cows from farmers participating in the program to any other person. Participating farmers would not be prohibited from selling cull cows for slaughter, or from selling breeding cattle under certain circumstances, but the legislation also includes several safeguards to soften the impact of that potential extra meat supply on prices for beef cattle, pork and poultry. The bill directs the Secretary of Agriculture to take all feasible steps to minimize the impact of additional dairy cow marketing on beef, pork and poultry producers.

Another provision that establishes the dairy promotion program, will reportedly not go into effect for several months. Secretary of Agriculture John Block must take care of the necessary administrative details before the program is initiated. At press time there was no word of when the program would begin.

Under the law the national milk promotion and research program will be farmer-financed, by assessing dairymen 15 cents for every hundredweight of milk they market. In cases where farmers are already making contributions to local or regional promotion programs, they would get credit for these assessments, up to 10 cents per hundredweight.



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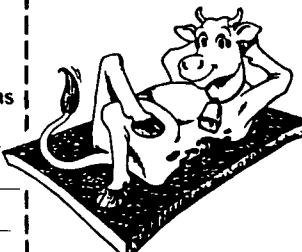
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USDA studies case of disappearing pesticides

BELTSVILLE, Md. — Microorganisms that live in the soil are among the most efficient recyclers on earth. They decompose nature's litter and mankind's refuse into compounds essential to plant and animal life as well as their own survival.

But in the case of a growing number of soil-incorporated pesticides, some microorganisms are becoming too efficient: they are reducing the effective life of these compounds from months to days. As a result, some farmers have little or no pest control.

Mounting evidence points the finger at repeated use of the same or chemically similar pesticides, according to ARS soil microbiologist Donald D. Kaufman, who has spent 21 years studying the action of microorganisms on pesticides at the Pesticide Degradation Laboratory, Beltsville, Md.

Repeated pesticide use causes a buildup of microorganisms that are capable of rapidly degrading these compounds. "A microorganism that adapts to utilize one chemical can quickly adjust to utilize a similar chemical," he explains. Adding to the problem, certain pesticides can prime the enzyme systems of soil microorganisms to use similar compounds even though the original pesticides are not broken down.

Steady food supply

Kaufman suspects that because many of these chemicals are formulated as slow-release granules they provide the microorganisms with a slow, steady food supply to keep their inflated populations going. In addition, the systemic pesticides become tied up in plant tissue and are released as the plants decompose.

How much acreage is suffering from premature pesticide degradation? No one really knows. What looks like a case of accelerated degradation may be due instead to pest resistance; conversely, acreage that does not appear to have an efficacy problem may simply not have a pest problem. In short, accelerated degradation has to be verified in each case.

Scope of problem

A few statistics and rough estimates help to demonstrate the scope of the problem, however. According to Jon Tollefson,

associate professor of entomology at Iowa State University, Iowa corn farmers began reporting that Furadan was not controlling corn rootworm in 1974 — 5 years after the product had been put on the market. It was used on 21 percent of Iowa farm-land devoted exclusively to corn, which accounts for about half of Iowa's corn acreage. As word spread about the Furadan problem, the amount of corn acreage treated with the pesticide dropped 69 percent — from 1.5 million acres to 400,000 acres in 1982.

Alex R. Martin, professor of weed science at the University of Nebraska, together with colleagues Fred Roeth and Robert Wilson, first got involved in studying microbial degradation in 1978 after corn farmers complained that the herbicide Eradicane was not controlling shattercane. Martin estimates that more than half the 200,000 acres where farmers used Eradicane continuously (without rotation) are affected. Later, reports of efficacy problems emerged with a structurally similar herbicide, Sutan, which was used on 500,000 acres in 1978. Martin estimates that less than half this acreage is affected, however, because corn is rotated with other crops, and because Sutan is also slower to enhance microbial degradation than Eradicane.

Problem spreads

This year, Nebraska farmers were able to buy Eradicane Extra with an extender (a microbial inhibitor) added, but, says Martin, evidence from several years of field plot experiments shows "the extender loses its ability to correct the problem once it is used repeatedly."

Although the problem may have had its genesis in midwestern corn fields, it is no longer restricted to the Midwest, to corn acreage, or to the three pesticides mentioned, which belong to a class of compounds called carbamates. According to Kaufman, weed scientists in the Southeast, prompted by farmers' reports, are beginning to look into accelerated

degradation. And the reports are occurring with soybeans, vegetables, and other commodities where farmers use the same chemical year after year. Further, they are also associated with another class of pesticides — the organophosphates — which are not

(Turn to Page A34)



USDA scientist Donald Kaufman, of Beltsville, Md., tests soils treated with different chemicals to determine causes of the disappearance of pesticides.

QUARANTINE BOUNDARIES

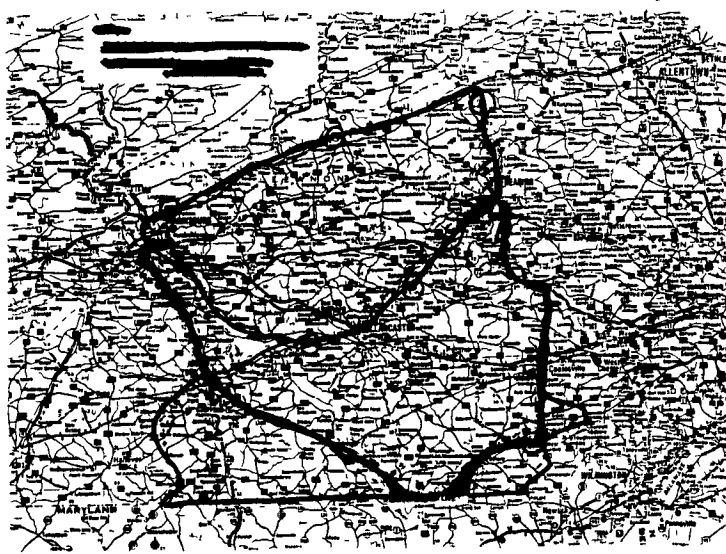
Pursuant to the authority granted to the Pennsylvania Department of Agriculture by the Act of 1929, April 17 P.L. 533, the Act of 1913, July 22, P.L. 928, the Act of 1929, March 28, P.L. 110 and appropriate amendments to said Acts and the Administrative Code of 1929, April 9, P.L. 177, No. 175, Section XVII, the Department of Agriculture updates previously published Quarantine Boundaries and publishes herein the following map which sets forth the new updated Quarantine Boundaries.

In addition to conditions imposed by the General Quarantine all flocks and premises located within or outside of Quarantine Areas known to be infected with Avian Influenza shall be placed under special Quarantine.

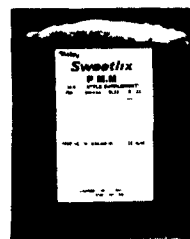
Interstate movement from the Quarantine Area and other premises quarantined because of Avian Influenza of poultry and other birds, poultry products and any other articles relating to the production, marketing or disposal of those avian species shall comply with Part 81 of Title 9 of the Code of Federal Regulations (9 CFR).

Any specific questions concerning the exact Route Numbers or Highway Numbers should be directed to the Avian Influenza Task Force, 1630 Manheim Pike, Lancaster, PA, Telephone No. 1-800-932-0904.

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Pursuant to the authority granted to the Pennsylvania Department of Agriculture by the Act of 1929, April 17, P.L. 533, the Act of 1913, July 22, P.L. 928, the Act of 1929, March 28, P.L. 110 and appropriate amendments to said Acts and the Administrative Code of 1929, April 9, P.L. 177, No. 175, Section XVII, the Department of Agriculture updates previously published Quarantine Regulations and publishes the following Avian Influenza Quarantine Regulations for the enforcement of said quarantine. These regulations may be updated continuously and are effective as soon as they are established by the Pennsylvania Department of Agriculture.

No poultry or poultry products, except processed poultry, including chickens, ducks, geese, turkeys, pigeons, exotic fowl (except caged pet birds) and game birds raised in captivity shall be moved within the quarantine area nor removed from the quarantine area except by permit of the Pennsylvania Department of Agriculture. NO BIRDS, EGGS, POULTRY PRODUCTS, MANURE, LITTER OR OTHER CONTAMINATED MATERIALS SHALL BE REMOVED FROM FLOCKS INFECTED WITH OR SUSPICIOUS OF HIGHLY PATHOGENIC AVIAN INFLUENZA. Conditions for issuance of permits for movement of poultry, poultry products and related materials from other than HPAI flocks within or from the quarantine area:

I. Permit may be issued for transportation of live birds from flocks, other than those infected with avian influenza of high pathogenicity, direct to slaughter plants under federal inspection.

A. Permits may be issued only following an onsite inspection of the flock by an authorized representative of the Task Force and determination that this flock and no other flocks on the premises are infected by avian influenza.

B. Birds moving from these flocks shall be transported in vehicles covered so as to prevent contamination along the route.

C. Equipment and vehicles utilized to transport these birds shall be considered under quarantine until proper C & D has been certified by an official representative of the Task Force.

II. Permit may be issued for pullets originating from flocks free of clinical signs of avian influenza for movement only within the quarantined area to premises which are not under quarantine for highly pathogenic avian influenza. An onsite inspection of the flock of origin shall be conducted prior to issuance of the permit to determine the health status of the flock of origin.

III. Permits may be issued for transportation of hatching eggs originating from health flocks to approved hatching facilities.

A. Owners of source flocks will not be issued a permit to move eggs until after at least 30 birds have been blood tested and no serological evidence of avian influenza has been uncovered.

B. Source flocks within the quarantine area shall be inspected no less often than once every five days.

C. Hatching eggs moved from flocks determined to be infected with avian influenza shall be immediately destroyed.

D. Hatching eggs shall be fumigated in accordance with the following procedures:

Poultry hatching eggs designated as restricted articles may be moved interstate from a quarantined area pursuant to a permit if the following conditions are met prior to movement:

Such hatching eggs are held for a minimum of five days and after the five-day holding period the breeding flock is determined by a Federal inspector to be free of highly pathogenic avian influenza based on visual examinations and serologic testing and thereafter:

Such hatching eggs are fumigated in accordance with the following procedures:

The eggs shall be fumigated in an airtight room or cabinet. The room or cabinet shall be equipped with a fan to circulate the gas during fumigation and to expel it after fumigation.

The eggs shall be placed on wire racks in wire baskets or on cup-type egg flats stacked outside of the egg cases (to permit air circulation) and exposed to circulating formaldehyde gas.

The formaldehyde gas shall be provided by mixing 0.6 gram of potassium permanganate with 1.2 cc of formalin (37.5 percent) for each cubic foot of space in the room. The ingredients shall be mixed in an earthenware or enamelware container having a capacity at least 10 times the volume of the total ingredients.

The gas shall be circulated within the room for 20 minutes, then expelled.

The temperature in the room or cabinet during fumigation shall be at least 70°F (21°C), and the relative humidity above 70 percent.

E. Day old chicks may be permitted to move from hatcheries located in the quarantine area providing hatching eggs have met the permit requirements of this section (A, B, C, D).

(1) Chicks originating from flocks in the quarantined area will be placed under special quarantine and may not move subsequently until released from quarantine. Quarantine may be released after six weeks during which time the flock has remained free of clinical signs of avian influenza as determined by an onsite inspection.

(2) Chicks hatched from eggs originating from healthy flocks located outside the quarantine area may be permitted to move without further restriction.

IV. Embryonating hatching eggs (designated as restricted articles) may be moved interstate from a quarantined area pursuant to a permit if they originated from healthy flocks outside of the quarantined area, and if fumigated prior to movement.

V. Permits may be issued for transportation of table use eggs which have been sanitized and packed in unused or sanitized flats and crates. Nest run eggs may be moved by permit to approved facilities for sanitizing and packing. Packing and shipping materials used to transport nest run eggs (that is non sanitized eggs) shall be destroyed or sanitized prior to removal from the processing plant and necessary precautions shall be taken to minimize exposure of sanitary eggs, packing materials and equipment to contaminated eggs, packing materials or equipment.

VI. Permits may be issued for transportation of dead poultry parts and litter from infected flocks to approved disposal sites only when suitable disposal is not available.

A. Equipment and vehicles utilized to transport dead poultry, poultry parts and litter must be maintained in a proper sanitary condition.

B. Equipment and vehicles utilized to transport dead poultry, poultry parts and litter must be constructed and maintained so as to prevent contamination of the transportation pathway.

Flock Quarantine Restrictions

Poultry, poultry parts, eggs, litter and any other potentially contaminated materials may be moved from premises infected by non highly pathogenic avian influenza by permit only under the following conditions:

A. Live poultry may be moved to approved slaughter facilities by permit only following onsite inspection of the flock.

B. Table eggs if sanitized and packed in unused or sanitized flats, papers, racks and crates may move by permit only. Nest run eggs may be moved by permit to approved facilities for sanitizing and packing. Packing and shipping materials used to transport nest run eggs shall be destroyed or sanitized prior to removal from the processing plant.

C. Dead poultry, cull eggs, refuse and litter may be removed from the quarantined premises by permit only when proper disposal cannot be accomplished on the quarantined premises.

NO BIRDS, EGGS, POULTRY PRODUCTS, MANURE, LITTER OR OTHER CONTAMINATED MATERIALS SHALL BE REMOVED FROM FLOCKS AND PREMISES INFECTED WITH HIGHLY PATHOGENIC AVIAN INFLUENZA.

PENROSE HALLOWELL
SECRETARY OF AGRICULTURE
COMMONWEALTH OF PENNSYLVANIA

Amos Funk makes own farm an ag preserve

BY TRISH WILLIAMS

LANCASTER — Mr. Farmland Preservation, Amos Funk, this week made a very personal commitment to farmland preservation by placing a 25 year deed restriction on his 89 acre Marticville farm.

Funk is chairman of the Lancaster County Agricultural Preserve Board and semi-retired fruit and vegetable direct farm marketer. He has been urging other farmers in the County to place deed restrictions on their farms in order to slow the loss of farmland to development and maintain a viable farming community.

"I've been very outspoken about farmland preservation and the concept of deed restrictions," said Funk, "many people have questioned how I can advocate something and not practice it myself. So I decided it was time to make a personal commitment to agricultural preservation by placing a 25 year deed restriction on our farm."

The deed restriction was formally placed on the farm at the County Commissioners meeting, Wednesday morning.

Funk has been a pioneer in farmland preservation and conservation in Pennsylvania. The Marticville farm borders the Pequea Creek and has over 15,500 feet of terraces, constructed to retain topsoil and nutrients. In 1939 Funk established the first con-

servation practices on his Millersville property, and the farm served a demonstration farm for such practices. That property is now owned by his son, Fred and earmarked for development on the county comprehensive plan. In 1951 he was appointed as a charter member of the board of directors for the Lancaster County Conservation District.

"From 1964 to 1969 the loss of farmland to development in the county was more than 8000 acres per year. We were losing land far too quickly," Funk stressed. "I thought what is the use of saving the soil if you lose the farm. So I became involved in farmland preservation."

He has worked since 1969 to develop an equitable plan for preserving farmland in Lancaster County and throughout the state.

Funk has studied various farmland preservation plans and practices across the country to glean ideas, and measure the merit and feasibility of such plans. A four drawer filing cabinet overflowing with plans and documents from other state's programs is a testament to his dedicated efforts.

Realizing that no plan for preserving farmland could be successful unless it was acceptable with all sectors of the community, Funk has worked closely with county commissioners and planners, realtors, and building contractors. A county com-



Amos and Esther Funk stand strong for farmland preservation on their 89 acre Marticville farm they placed under a 25 year deed restriction this week.

prehensive plan was developed.

"We want support for farmland preservation, not confrontation," he explained. "Building and development is the livelihood to some people just as farming is to us."

As a direct farm marketer, Funk can appreciate better than most farmers, the interdependency between the farm and nonfarm sectors. A new high density housing development across the street from Funk's Farm Market

will bring more potential customers to their door. But too much development without planning could severely hinder their ability farm at the Millersville location.

The 25 year deed restriction on the Marticville farm, zoned rural residential will allow Funk's to continue to supply the more suburban Millersville store.

Funk has pushed the idea of agricultural preserve districts

encompassing a minimum of 1000 contiguous acres. A farmers decision to remain in farming or sell to development is highly governed by what his neighbors do, Funk points out. Suburban encroachment makes farming more difficult.

Only two other deed restrictions have been put on farms in Lancaster County, both in perpetuity. The first by Ivan G. and Fannie Martin, Ephrata, and the second by George and Patricia Baum of Elizabethtown.

Funk hopes that more farmers will also place deed restrictions on their farms, to protect farmland and the viability of Lancaster's farming community.

Franklin workshop

ROXBURY — The Franklin County Extension Service will be sponsoring a dairy reproductive management workshop on Tuesday and Wednesday at the Lurgan Lions Club Building, Roxbury. The objective of the workshop is to give dairymen useful information that could help improve reproductive performance in their herds. A wide range of topics will be covered by the instructors which include Mike O'Connor and Larry Hutchinson from Penn State, Dr. John Simms from the Burnt Mill Veterinary Center and James Verga from Atlantic Breeders Cooperative.

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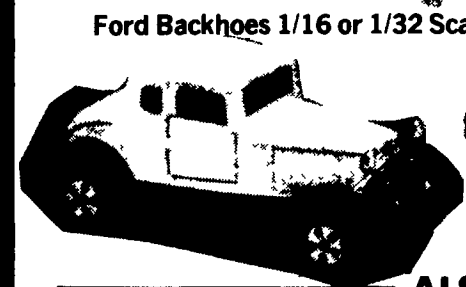
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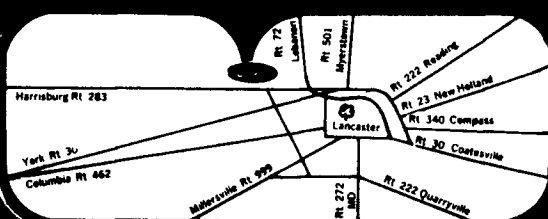
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Disappearing pesticides

(Continued from Page A32)

structurally similar to the carbamates.

In laboratory flasks containing a variety of soil types, he duplicates all chemicals used on corn and soybeans in many of their various combinations, and records changes in the types and population density of the microflora. The experimental design also allows him to keep a constant fix on changes in the rate of pesticide breakdown.

Crop effect

Another factor further complicates the microbial-pesticide picture — the crop itself. In a preliminary study, Kaufman compared the rate at which pesticides broke down in soil samples taken from grassland, corn, and soybean fields — each with no history of pesticide use. In fact, all samples came from the same acreage: the grassland was subsequently planted to corn and soybeans. Soil from the soybean field degraded pesticides far more rapidly than grassland soils, whereas soil from the corn field degraded pesticides more slowly than grassland soil.

It appears that each cropping sequence of the crop itself has its own complement of microflora, Kaufman said, and that certain crops encourage the growth of active pesticide degraders.

Kaufman hopes that he and other researchers will be able to devise both a cropping sequence and a chemical sequence that takes the bite out of the degraders, but he predicts that manufacturers will ultimately have to change pesticide chemistry.

To date, Kaufman has had reports of an efficacy problem with four insecticides, four herbicides, three fungicides, and one nematocide, encompassing 10 major pesticide producers. He has confirmed the link with microbial degradation for half of the pesticides so far. He speculates that the fertilizer, urea, may also be contributing to the problem, indicating that its chemical structure is similar to the core structure of the carbamates.

Problem soils

During the last four years, Kaufman has studied numerous problem and non-problem soils and found that populations of known pesticide-degrading microorganisms are higher in problem soils — sometimes several times higher. When he mixed structurally similar pesticides into the two soils, the pesticides generally broke down more rapidly in the problem soils.

Although these soils have elevated populations of a variety of known degraders, Kaufman says he consistently finds two classes of soil fungi and several bacterial species that are the most active degraders. The bacteria have not yet been identified, but the fungi are from two well-known disease-producing genera — the *Verticillia* and the *Fusaria* — which cause root rots and wilts. In a few instances, farmers have reported an increase in these diseases along with a decrease in the pesticide's effectiveness.

Getting a handle on the microbial-pesticide picture will not be easy. The relationships are complicated. For instance whereas some pesticides enhance the breakdown of similar compounds, others are known to block it. "Like pharmaceuticals," says Tollefson, "we need to understand how the application of one affects the application of others." Kaufman explains that he and other scientists have paid considerable attention to the fate of individual pesticides in the soil microbial environment, but not to the effect of multiple applications of individual pesticides or combinations of pesticides. To fill the gap, he is creating complete soil histories in a telescoped time frame.

Rotate pesticides

For the present, farmers can prevent or at least delay the loss of pest control by rotating both crops and pesticides, although the long-range effects of these procedures are not currently known. Further, they should make sure they indeed have a pest problem serious enough to warrant applying

pesticides, and not use the chemicals as preventive medicine.

In the case of pesticides, an ounce of prevention may provoke the need for a pound of cure. Kaufman has found that soils with a short history of pesticide use harbor two or three microorganisms capable of degrading the pesticide. After a long history of pesticide use, however, "almost any microorganism can degrade the compound," he says. "They may be doing their own genetic engineering."

Another phenomenon associated with continuous use may cause problems not only in the root zone but also far below, in the water table. Organic matter in the soil actually impounds pesticide molecules by providing sites to which they adhere. The process, called adsorption, makes the molecules unavailable to microorganisms and also prevents them from leaching into the water table.

With a long history of use, the organic matter becomes saturated with pesticide molecules. (This can occur rather rapidly in soils with a small amount of organic matter.) Because molecules with a similar structure compete for the same adsorption sites, pesticides, having a stronger attraction can bump, or desorb, the predecessors off the organic matter and into the microorganisms' mess hall. Those molecules that are not dismantled for "food" could be carried away with moving water.

According to Kaufman, early findings show that repeated use of similar pesticides increases the rate of desorption. If the findings are confirmed in subsequent studies, they could have serious implications for pesticide leaching, he says.

Farm Show music slated

HARRISBURG — Music will fill the air at Pennsylvania's largest family affair — the 68th Pennsylvania Farm Show, Sunday, January 8, at the Farm Show Complex in Harrisburg.

According to State Agriculture Secretary Penrose Hallowell, a variety of musical talent is scheduled to perform at the show's Youth Benefit Concert at 6:30 p.m. on the opening day of the annual event.

The Ink Spots, one of the top acts of the 1950's and early 60's, Miss Pennsylvania Jennifer Lynn Eshelman, and the sounds of Al Raymond's "Big Band" share the spotlight in an effort to support agricultural youth programs and improvements at the Farm Show.

General admission tickets are \$4.50 (\$3.50 in advance) and \$6 reserved. Tickets may be ordered

by writing: Farm Show Youth Benefit Concert, P.O. Box 15724, Harrisburg, PA 17105-5724. All mail orders must be postmarked by Dec. 27 and should include a self-addressed, stamped envelope. Checks should be made payable to the Pennsylvania Department of Agriculture.

Ticket order postmarked after Dec. 27 will be held at the door in the purchaser's name on the night of the concert. Tickets may also be purchased at the Farm Show Ticket Office on North Cameron Street beginning Dec. 27. Hours are from 10 a.m. to 6 p.m. or phone 717-783-6513 after Dec. 12.

The Youth Benefit Concert is one of many special attractions at the 1984 Farm Show which runs January 8-13. There is no admission fee for the show, but parking at the complex is \$2.

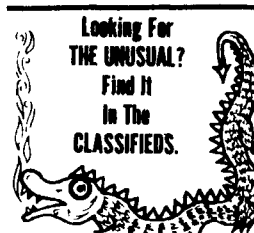
Red meat data up

HARRISBURG — Pennsylvania's commercial red meat production for October 1983 totaled 99.0 million pounds, up 14 percent from the previous month according to the Pennsylvania Crop and Livestock Reporting Service.

January-October accumulated red meat production totaled 808.5 million pounds. Cattle slaughter was 87,100 head with an average live weight of 1,125 pounds. Calf slaughter was 25,500 head with an average liveweight of 166 pounds. The number of sheep and lambs slaughtered totaled 10,800 head with an average liveweight of 99 pounds. There were 272,100 hogs slaughtered, averaging 232 pounds.

Nationally, commercial red meat production during October 1983 totaled 3.53 billion pounds, up three percent from the previous month. Beef production totaled 2.07 billion pounds. Total head

killed was 3.28 million and liveweight averaged 1,070 pounds. Veal production was 41 million pounds. Calf slaughter of 290,000 head averaged 239 pounds liveweight. Pork production during the month totaled 1.39 billion pounds. Hog kill totaled 8.09 million head, with an average liveweight of 243 pounds. Lamb and mutton production was 32 million pounds. Head kill of 600,000 averaged 109 pounds liveweight.



Md. Ag Commission holds reunion

ANNAPOLIS, Md. — Twenty-nine members and former members of the Maryland Agricultural Commission recently assembled in Annapolis for their first reunion ever. Twenty of those in attendance were accompanied by their wives.

The group was hosted by the Maryland Department of Agriculture (MDA) at its new headquarters facility. In his welcoming remarks MDA Secretary of Agriculture, Wayne A. Cawley, Jr., expressed his appreciation to the group for its years of service to the Department and especially for their assistance and support during his five years in office.

The Commission was created in 1969 to serve as an advisory group to the Maryland State Board of Agriculture. It became an advisory group to the Secretary when MDA was established in 1973.

Among those past members in attendance were Edward Covell of Easton and Y.D. Hance of Prince Frederick. Covell chaired the first meeting of the Commission in 1969. At that meeting Hance was elected as the first permanent Commission Chairman. He later became

Maryland's first Secretary of Agriculture and served in that capacity for six years.

There are 17 members of the Commission representing almost every commodity group in the State. They are appointed by the Governor for a three year term and cannot serve more than two consecutive terms. The current Chairman is Mr. George Kemp of Princess Anne, Maryland. Meetings are held the second Thursday of each month. During these meetings each member presents a commodity report to inform the Secretary, and other members, of current happenings and concerns within the industry.

The Commission is most active during the time when the Maryland Legislature is in session. During that period it regularly advises the Secretary on proposed legislation which will affect the agricultural industry of the State. It employs a full-time Executive Secretary, Mrs. Lynne Hoot, who handles all staff work and speaks on behalf of the Commission before the legislature.

Since its establishment 14 years ago, a total of 59 members have served on the Commission.

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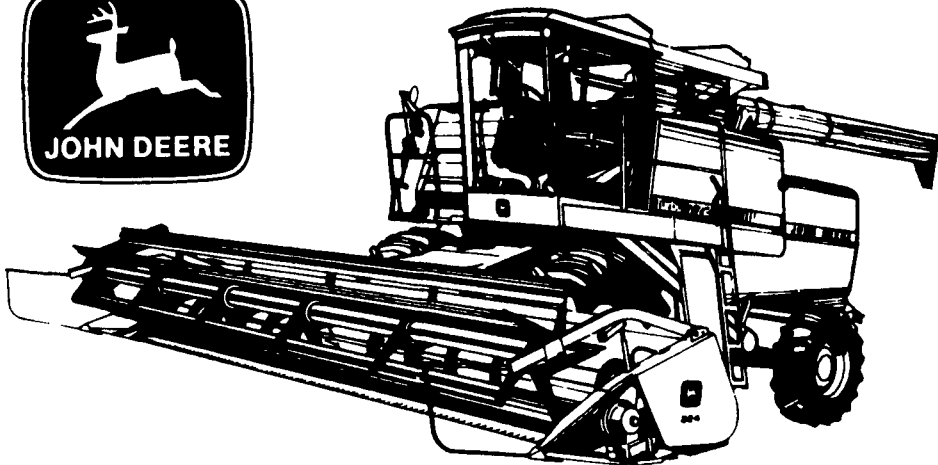
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Cole crops can have micronutrient deficiencies

NEWARK, Del. — Boron and other micronutrient deficiencies are common in cole crops, especially cauliflower and broccoli. Such deficiencies are fairly easy to overcome if growers recognize and diagnose them promptly, says University of Delaware extension county agent Bob Hochmuth. "If you've noticed micronutrient problems in this fall's crops, take steps to keep them from happening again next year," he advises.

Hollow stems and heads are the most obvious signs of boron deficiency in cole crops. The problem often isn't apparent until heads begin to form. In Delaware, boron deficiency is most likely to occur on sandy soils low in organic matter. It also tends to be most severe on higher pH soils, or under extremely dry conditions. Therefore, timely irrigation during dry periods is critical to avoid boron deficiency in these crops, even if boron has been applied during the year.

Vegetables and other plants vary greatly in their need for and sensitivity to boron, Hochmuth says. Alfalfa, beets, broccoli, cauliflower and cabbage all have high boron requirements. These crops should receive 3 pounds per acre of actual boron when the soil test is low, 2 pounds per acre when the soil test is medium, and 0 to 1 pound when the test is high.

Asparagus, carrots, muskmelons, radishes, tomatoes and clovers all have medium boron requirements. These crops should receive 2 pounds per acre of actual boron when the soil test is low, 0 to 1 pound when medium, and no boron when the test is high.

Crops with low boron requirements such as corn, small grains and soybeans rarely, if ever, require boron fertilization, Hochmuth says.

Boron can be toxic to some plants. Snap beans and cucumbers are especially sensitive. Care must be taken when rotating such crops

into fields where high levels of boron were applied the previous year.

It's best to apply this micronutrient broadcast in a mixed fertilizer, he says. Banded applications of boron may cause seedling injury and for this reason are not recommended. If it must be banded, the rate should not exceed ½-pound per acre of actual boron, and the band should be at least 2 inches below and 2 inches to the side of the seed.

Foliar sprays also can be used to correct boron deficiencies, Hochmuth says. Use 1/2 to 1 pound per acre of actual boron in 30 to 50 gallons of water. Always add a surfactant to the solution when spraying cole crops.

A deficiency of another micronutrient, molybdenum, may appear in broccoli and cauliflower. Because plants require so little molybdenum, and because there is so little in the soil, foliar and soil tests are not effective in spotting this deficiency. Here are symptoms to look for. Deficient leaves appear slightly mottled or pale green. Young leaves cup inward, edges turn brown and rot may set in. Insufficient cover leaves may develop and heads may develop and heads may become sunburned. The innermost wrapper leaves also may rot and discolor cauliflower heads.

To prevent such problems in broccoli and cauliflower, Hochmuth recommends applying 3 to 4 ounces per acre of actual molybdenum directly with the seed or with the broadcast fertilizer. Midseason corrections can be made by applying a 1/2-pound of actual molybdenum as a foliar spray.

Emergency feed plan

(Continued from Page A1)

assist in pinpointing exact locations of the stored corn and aid in pooling individual farmer needs into group truckload or carload amounts for shipment. The transportation costs would then be shared by the participating farmers.

There are two main requirements for eligibility:

A farmer must show evidence of receiving an FmHA disaster loan or is eligible to receive one. Basic loan requirement was a 30 percent

loss from a normal year's production.

Also, feed production must be inadequate to maintain a foundation herd of livestock or poultry flock during a three-month feeding period. The 90-day period would begin with the day that application is made for the emergency feed program.

Eligible disaster counties include Adams, Bedford, Berks, Blair, Bucks, Cambria, Chester, Cumberland, Dauphin, Delaware, Franklin, Fulton, Huntingdon,

Juniata, Lancaster, Lebanon, Montgomery, Perry, Schuylkill, Somerset and York.

Lehigh County's application is in the final stages of review in Washington, but Indiana County's application is just in the initial stages of review.

This marks the third USDA program designed to help farmers hit by the summer's drought. Besides the FmHA low-interest loans and now the emergency-feed program, conservation lands were earlier opened to use.

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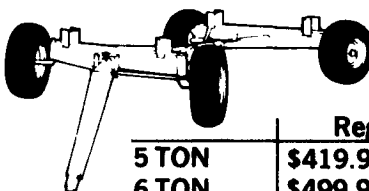


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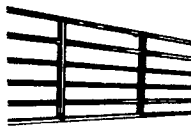
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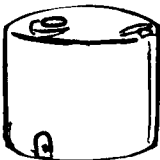
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Vegetable session set Thursday

SALISBURG, Md. — The commercial vegetable session of the 1983 Peninsula Horticultural Society's annual meeting will be held Thursday at the Wicomico Youth and Civic Center in Salisbury, Maryland. According to University of Delaware extension vegetable specialist Ed Kee, the program will cover many topics which should appeal to both large- and small-scale producers of a wide range of commodities.

The meeting will start at 9:30 a.m. and last until about 3:30 p.m. A number of presentations will cover some aspect of marketing. Bill Sammons and George Roche of the Delaware and Maryland departments of agriculture will talk on how to promote farm produce effectively. A representative of Tulkoff's Horseradish Company of Baltimore will discuss growing horseradish as a possible contract crop on Delmarva.

There will be reports on two new marketing efforts: a strawberry marketing project in Somerset County, Md. involving grower Clarence Laird, county agent Joe Trumbauer and George Roche of the Maryland Department of Agriculture; and a Delaware cucumber and pepper-packing project involving a number of area growers, Peter Dandrea of Dandrea Produce Company, N.J., and

the Delaware Cooperative Extension Service.

Production-related topics will include a discussion of fertilizer programs for vegetables on plastic by Jim Patterson, and an update on new developments in agricultural plastics by Frank Schales, both University of Maryland.

Later in the meeting Jack Flanagan of the U.S. Department of Agriculture will explain options open to growers who are not paid for their produce, under terms of the Perishable Agricultural Commodities Act. A presentation by extension specialists Dr. Don Tilmon and Carl German, both University of Delaware, will cover figuring costs and managing risks in vegetable production.

Final speaker of the day will be Charles Baum, produce merchandiser for Bon Foods of Dumfries, Virginia, discussing new trends in produce merchandising and how they affect Delmarva vegetable producers. According to Kee, this presentation is a must for producers who want to know how to work with buyers to serve the customer and thus improve profits.

For further information on the meeting, contact a county extension agent in Delaware or Maryland.

Farm builders plan meeting

UNIVERSITY PARK — The 1984 Pennsylvania Farm Builders Tour and Conference is set for Jan. 19 and 20, in Lebanon County, and will feature five dairy and swine facilities plus a tour of the RigidPly Rafters Inc. factory.

With headquarters at the Friendship Fire Hall, Lebanon, the tour will feature methods for saving energy on the farm, highlighting a solar grain drier and a swine nursery with a multiple room ventilation system and heat exchanger. Five manure handling systems will be seen, including a step gutter manure removal system in a free stall barn.

Guest speaker for the Thursday night banquet will be H. Louis Moore, Penn State, who's topic is "Where is the Building Business Going?"

The theme of the Friday program will be building materials and should answer questions of what to use, where to use it, and how to install it. Experts from trade associations and suppliers will discuss the following:

- Pressure treated lumber, Dick Catchpole, American Wood Preservers.

- Concrete applications and curing, Randall C. Cronin, Portland Cement Association.

- Metal sheeting and fasteners, Dick Taylor, Alcan Building Products.

- Panelized construction, Greg Mattson, Dyro Tech Industries.

- Surfaces and other sheet goods, Harvey Manbeck, Penn State.

An important part of this program will be a free-for-all panel discussion where the audience will have the opportunity to respond to and question the presentations of the experts.

The program will conclude with a brief update on dairy and swine manure and an explanation of the programs and services offered by the Soil conservation Service.

To obtain a complete program and enrollment information, please contact Agricultural Conference Coordinator, Penn State University, 409 Keller Building, University Park, PA 16802, 814-865-9547.

For information about program content, contact Daniel J. Meyer, Penn State University, 204, Agricultural Engineering Building, University Park, PA 16802, 814-865-7665. Questions about local arrangements may be directed to Dennis Hoke, Lebanon County Extension Service, 400 South 8th Street, Lebanon, PA 17042, 717-274-2801, extension 346.

Egg production

HARRISBURG — Pennsylvania's October 1983 egg production totaled 382 million, according to the Pennsylvania Crop Reporting Service. The average number of layers on hand during October was 17.4 million. Egg production per 100 layers was, 2.195.

The nation's laying flocks produced 5.65 billion eggs during October 1983. The number of layers on hand during October 1983 was 272.1 million. Egg production per 100 layers during October was 2.076.

Comparable data for Pennsylvania and the nation for the previous year are not available.

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Harvesting husklage

(Continued from Page A1)

type was built by a firm in Nebraska for three years until Manthe's crew took over again in 1982.

Manthe said about 40 farmers are using his machine. Others are available on the market, Manthe said, but he prefers his own. In addition to corn, farmers using his machine also run soybeans and grain sorghum through the collector.

"Just about anything that goes through the combine can be used as husklage," Manthe said, "but the mixture needs proper processing before feeding to livestock."

Proper processing or grinding can be obtained by running the husklage through a tub grinder or

a field chopper, he added.

Once the grinding is completed, storage is also an important consideration. Manthe said he prefers Harvester silos because the feed needs to be maintained at 30 to 40 percent moisture. A conventional concrete silo will also work, he said, but 50 to 55 percent moisture is needed. Manthe added that a bunker silo would not be practical due to spoilage.

As far as the husklage itself, Manthe said it is an excellent feed source, especially for beef cattle. Manthe feeds the husklage to his cow herd and to his calves up through a finishing ration.

"The cows are very content," he said, "and I can't see why it wouldn't work for young dairy heifers. However, I wouldn't feed

it to high producing dairy cows.

Manthe, who chops about one and a half acres of husklage per cow-calf pair per year, added that anyone with beef cattle should try this feed. He stressed that husklage represents about 30 percent or more of the value of feed found in a corn plant.

It was with this information and the results of a forage analysis done on a husklage sample from the Manthe farm that Joe Hicks decided to try the feed on his own farm. He bought one of Manthe's pull-type crop residue collectors, costing \$5,500, and harvested his first crop this fall.

Hicks combined 150 acres of tailings and stored them in a 20 x 80 concrete silo. Because the husklage is atop other silage, he



Towed behind combine, unit blows husklage into trailing wagon.

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	As Sampled	Dry Matter Basis	(See Note Below)		
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Dry Matter(%)	44		24	To	40
Hay or Grain Equiv	2 0				
Crude Protein (%)	4 0	9 2	7 3	To	10 3
Heat Damaged Protein(%)					
Available Protein(%)					
Dig. Protein(%) Est	2 2	5 1	3 3	To	6 1
Fat (%)					
Fiber (%)	14 7	33 3	24 9	To	35 1
TDN(%) Estimated	26	59	62	To	69
ENE(Therms/Cwt) Est	19	43	48	To	59
NE/LACT(MCAL/LB) Est	0 227	0 517	0 581	To	0 715
Calcium(%)	0 12	0 28	0 17	To	0 37
Phosphorus(%)	0 11	0 24	0 18	To	0 28
Magnesium(%)	0 13	0 30	0 13	To	0 23
Potassium(%)	0 55	1 24	0 78	To	1 32
Sulfur(%)					
Manganese(PPM)	16	36	17	To	59
Copper(PPM)	3	6	4	To	12
Zinc(PPM)	8	19	10	To	52
Iron(PPM)	352	800	61	To	321
Aluminum(PPM)	116	264	23	To	158
Lead(PPM)	2	4			
Silicon(PPM)	132	300			

won't start feeding it until February.

"It looks very much like corn silage," Hicks said, "and by harvesting the tailings, you're salvaging what normally would go back on the ground."

Owning what may be the only Manthe crop residue collector east of the Mississippi, Hicks said the 1,800-pound machine has been flawless in operation. He added that custom operator Dale Furry said "you don't even now it's there when combining."

Hicks is planning to feed the husklage to his heifers over 300 pounds and to his steers. He may also try the feed on his 200-head

sheep herd.

In feeding the husklage, Hicks said he plans to follow the ration requirements of forage tests run through Penn State. The husklage is tested as corn silage, he said.

Just what the nutritional value of husklage is to the animal still needs to be determined. Terry Klopfenstein of the University of Nebraska is running tests on husklage, but information won't be available until next May or June.

Klopfenstein said corn varieties and time of harvest can affect the energy value and that early harvested husklage has a better quality.

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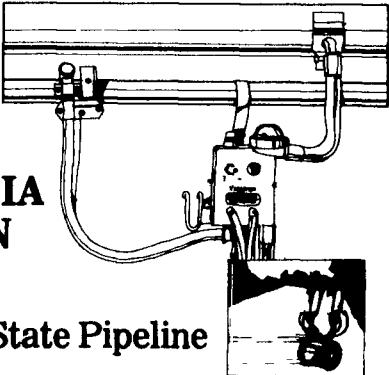
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Biotechnology/plant breeding cooperation urged

DES MOINES, Ia. — Biotechnologists and plant breeders, two vital parts of America's agricultural research network, are being urged to work cooperatively.

One of the primary proponents encouraging the two groups of scientists to work together is Donald N. Duvick, director of plant breeding for Pioneer Hi-Bred International, Inc. Duvick

discussed the need for cooperation in an article to be published in the Fall issue of Illinois Research, a journal of the University of Illinois at Urbana-Champaign.

"Molecular genetics (or biotechnology) is a breakthrough science," said Duvick. "Genes now can be described in minute detail, constructively altered in vitro (in the laboratory), individually transferred from one organism to another and then expressed as protein products in fully developed plants."

"The breakthrough science of molecular genetics has not yet given rise to a breakthrough in the technology of plant breeding. But plant breeding technology can and will absorb useful knowledge and techniques from the precise and powerful science of molecular genetics."

"It may easily require 10 years of hard work to build the base for a genuine breakthrough in plant

breeding technology. Plant breeders and biotechnologists must begin now to work collaboratively, with the goal of improved cultivars (varieties," Duvick said.

Biotechnologists, or genetic engineers, are scientists with the ability to transfer genes from one organism to another. Soon, they are expected to be able to transfer beneficial genes to plant cells, resulting in improved traits such as better disease resistance.

Plant breeders practice a different technology, Duvick said, one that can never be replaced by molecular genetics. They strive to develop superior new hybrids and varieties through an extensive breeding and selection process.

By crossing selected parent lines, conventional plant breeders have actually been practicing "genetic engineering" for over 50 years. Now, with the advent of biotechnology, Duvick said, plant

breeders should be able to better understand the functions of specific genes and to move genes more precisely, resulting in more efficient hybrid development.

Before this can occur, however, the two very distinct sciences must fully understand each other. Since only Pioneer and a few other commercial seed companies have plant biotechnology departments and facilities, Duvick said the lead for basic research must come from outside private industry.

"The land grant universities and the USDA must lead the way in developing collaborative programs because they can most easily develop critical mass numbers of biotechnicians working in conjunction with large numbers of experienced plant breeders. The universities will also have the responsibility to train students in both disciplines," Duvick said.

Building these new programs at the university level will cost more money. But Duvick feels that universities should not try to finance their research through engineering of plants for a profit. Such a practice puts the focus on short term projects, he said, which fails to build a good scientific base.

Instead, Duvick said universities need to concentrate on developing systems for long term financing of collaborative programs in biotechnology and plant breeding, building understanding and support from government foundations and state legislatures.

"Before most commercial plant breeding firms can use biotechnology in any significant way, the basic science must be done in the land grant universities and USDA."

"We in industry must do all we can to help the universities and the USDA get the support they need to do this basic science," Duvick concluded.

FRIDAY, DECEMBER 9, 1983

11:00 A.M.

Lancaster, PA.

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Woodson Farm Sale
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Complete Dispersal
42 Cows
30 Heifers & Calves

Garden Spot Sale
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COW SALE
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Herd Average: 15,254 3.8% 574

A Winterthur line-bred herd that traces back to two cows purchased in 1919 and 1923, with the great addition of Elevation and his sons. Eight Elevations sell, three Petes, 4 Astronauts, also Apollo, Bootmaker and Starlite. 15 bred to Chairman.

Features

Full Sister by Elevation
1 EX - 1 VG87 - both over 800 fat.
Another VG 87 full sister has Pete and Astronaut daughters selling - A fine family.

DAVID L. KING
COMPLETE DISPERSAL
73 HEAD TOTAL

-High Production-
8 over 20,000 milk
6 other over 18,000 milk

-Popular Sires-
7 Milestone
5 Valiant
4 Elevation

38 Registered, 35 ID Grades
42 Cows - 31 Hfrs. & Calves
Service Sires: AR-B Anticipation, Valiant, Jason, etc.

Featuring Her Jewel Dtr.
Dumbelle Elevation Leda (EX-90)
4-10 365d 31,281 4.4% 1380

Her full sister also EX with high test. Several sons in Al. Selling is her Provin Mtn Ivanhoe Jewel with 5-11 305d 20,535 4.0% 814 and fresh again in Sept. with a Milestone hfr. calf that also sells. 99.2% 4.1%-1st test.

- A fancy fresh Valiant from 3 gens. 600f dams all GP-83. Sells with her Sept. '83 Jason heifer calf.
- Four milking Elevations - 754f 4.3%; 650f 3.7%; 728f 4.1%.
- Chateau Ridge Flaming Tamie (21,266m 713f) sells with a beautiful 3-year-old Milestone dtr. bred to Valiant - bred daughter by Valiant - a yearling by Jason and a March '83 calf by Sexation.

GARDEN SPOT SALE
45 HEAD

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ductor, Ivanhoe Star,
Apollo, Chairman,
and others

Top Record Dams

14 over 1000F to
1412F 5 more over
900F many others 7-
800F 5 over 30,000
milk to 34818 15 more
over 25,000M most
others over 20,000M

Two "Top-Shelf" Bulls

- #1 "Jessies Jeroune" - Sired by Glendell from the 6th generation Ex Lime-Hollow Elevation Jessie. She by Elevation with 5-6 365d 25,510 4.0 1017. Cow Index +1126 +39 +\$169.
- #2 A "Jetson" from VG-87 "Elevation Penny" with 5-3 365d 34,818 4.1 1412. Cow Index +2444 +82 and lifetime 240,000M 8372F. Her dam a VG-87 Kingpin with 1319F and lifetime of 221583M 8002F.

— A SAMPLING OF THOSE SELLING —

- A Pete bred to Glendell from a 4E-92-GMD Chief with 1195F. Next dam 26-92-GMD. One of the premier cow families of the entire breed!
- A Glendell calf from 3 of 4 Ex dams, all with top records. Another great family
- A Tradition calf from a 2E Matt with 4.1% 1245F. Next dam an Ex-91 Bootmaker with 1081F. Great sires and records.
- By Chief from a VG-GMD Stardust Her full sister with 1383F the top of the Braintrim Dispersal.
- An own Ivanhoe Star from a famous Ex Chief dam with 30210M 1069F and a +2022 Cow Index
- VG-87 by Apollo fresh with her 3rd calf after 29000 16 3yr. record. Her dam a VG-88 Elevation, gr'da VG-88 Citation R gr'dtr.
- A Fancy fresh 2 yr. old by Elevation her dam a VG Jet Stream +1876 Cow Index
- Show prospect by a Matt son that's +571. A deep Sinking Springs pedigree.
- A sensational uddered Conductor 3 yr. old. Her dam by Astronaut with 20,000 and mat. sister to EX-93 "Matt Dixie" Gr'da 2E-91
- A Valiant bred to Kron Elmer. Her dam VG-87 18,595M and her maternal ¼ sister Ex with 26915.
- Another Valiant bred heifer. Her dam VG-86 Elevation 885F.
- Sexation bred to Columbus, Dam VG 919F. Gr'da Ex twice over 1000F.
- A fresh Moneymaker. Dam Ex. Elevation
- VG Board Chairman with an Ex udder sells bred to Columbus
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- Beautiful Quality Ultimate show heifer bred to Valiant Her dam - VG-88 Astronaut with 17360.
- Another Valiant bred heifer with three VG dams sired by Kingpin, Elevation, and Astronaut.
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- A Very Good, Ex. mammary system 4 yr. old with 1018F. Fresh milking 113.5 16.
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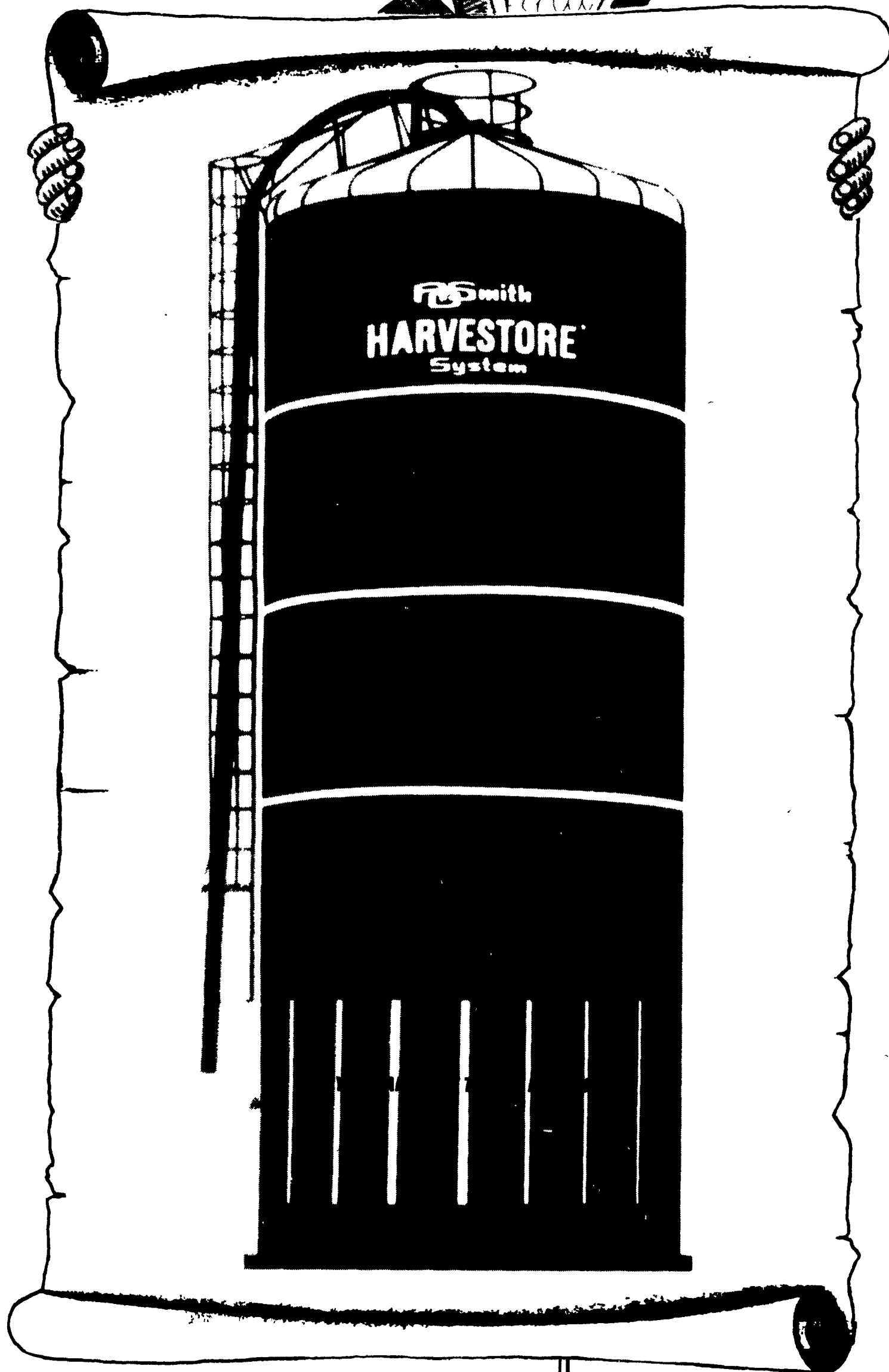
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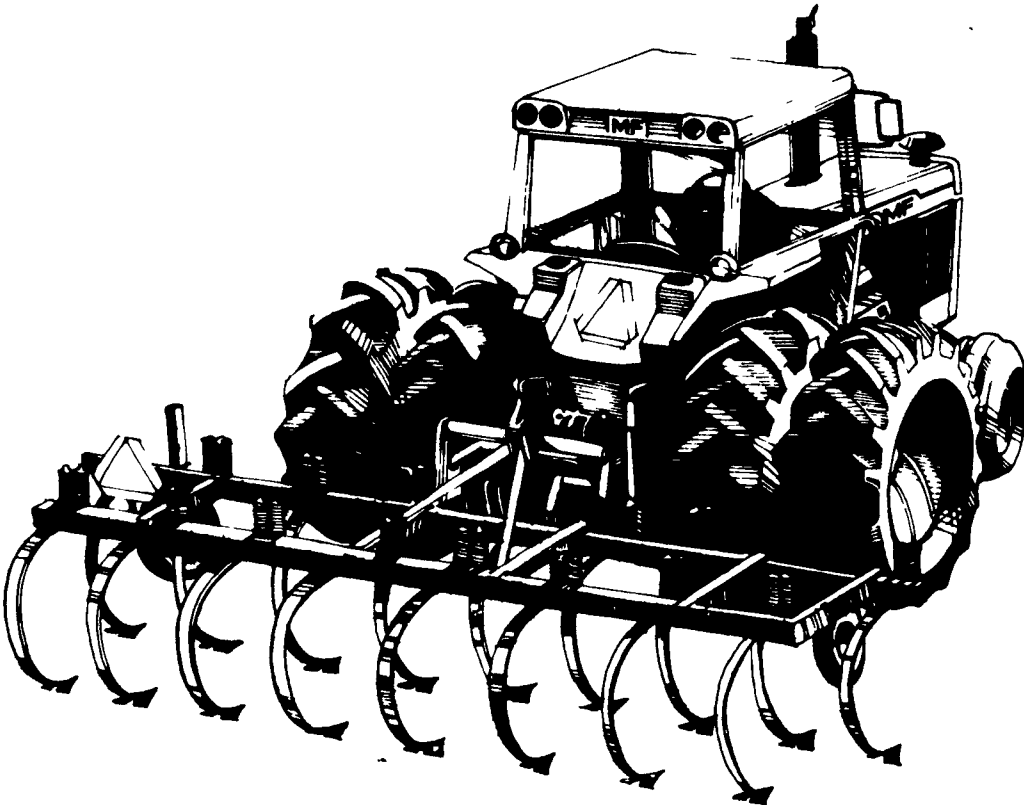
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Shop is Haven for Antique Quilts

BY PATTY GROSS MOCK
Staff Correspondent

MARTINSBURG — Visiting "The Calico Place" in Southern Blair County is like a child being set free in a candy store. All too many beautiful handiworks make it difficult to choose what you like best.

The charming country shop is filled with antique furniture, antique quilts, decorations and fabrics, new finished crafts and kits for the do-it-yourselfers.

It is the warm, friendly atmosphere at the shop which radiates not only from the wood-burning stove and the homey decor, but it is also owner Shirley Over's welcome that attracts you.

Shirley and her husband, Stanley, who operates a feed store, have long had a love for antiques, which includes beautiful quilts. Shirley remembers, five or six years ago when she began participating in quilt shows and sold them to quilt shops out of her basement. She has come up out of the basement and expanded her interest to include crafts.

The move from the basement into a two-room shop in downtown Martinsburg two years ago has made almost a full circle back to the Overs. This time The Calico Place is out the back door and into the stable.

The stable, which once sheltered a horse, chickens and turkeys, has taken on a new look as of October.

The five-year-old stable, remodeled with old barn boards and beams has a beautiful rustic appearance. The hayloft is minus the hay and instead brightly shows off new, finished crafts. Downstairs a room has been added to sell calico fabric and kits to make crafts. The original section of the building is filled with antique furniture, stoneware, quilts, coverlets fabrics and crafts.

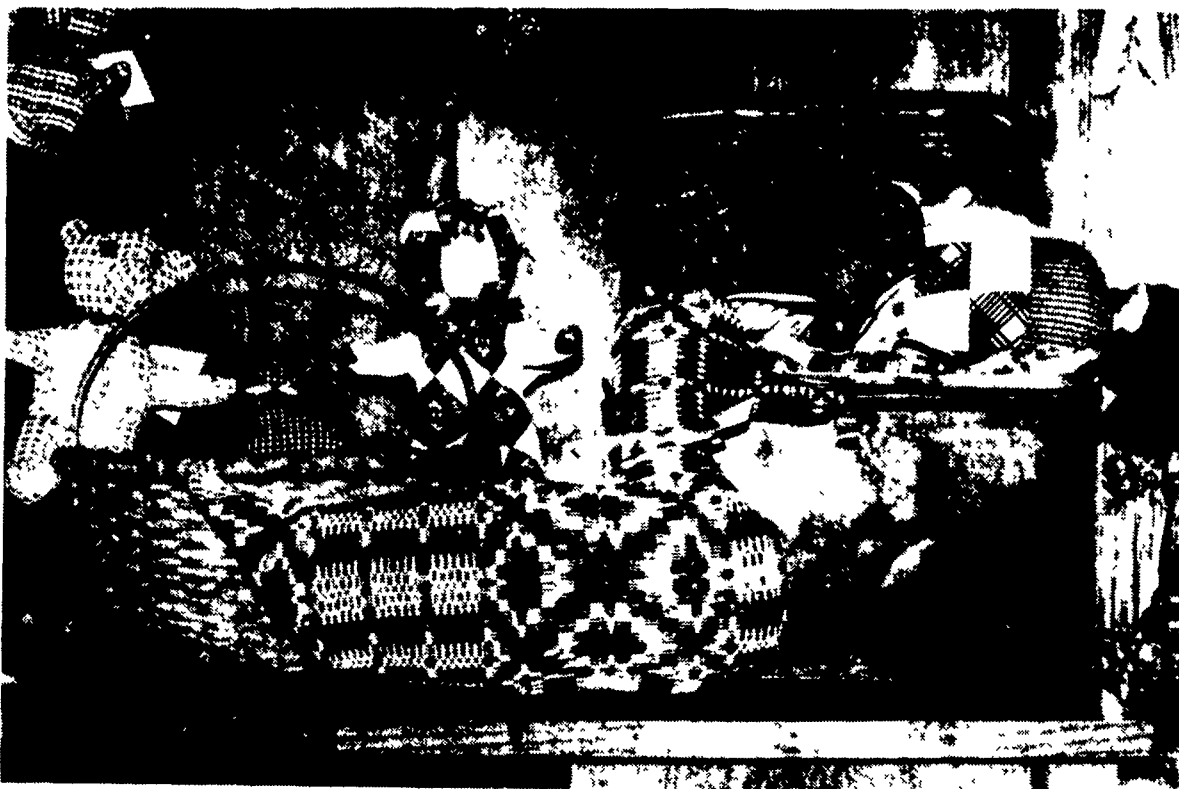
The business is continually a new challenge for Shirley. She got started because she enjoyed the craft and quilt shows.

"The children were older and I wanted to do something. I didn't want to do strictly shows on my own," she says. "It's a place for people to sell their items. That was probably one of the major reasons I opened a shop."

An optimistic Shirley believes that she only needs to get you in her shop once to have you coming back for more. The businesswoman offers something for everyone. She takes care of the seamstress, the collector, those who like crafts and persons who want to market their handiwork. Candy for the children and a warm fire to relax by are also a big attraction.

The handmade items, new and old, must meet tough standards before they go on display.

"It has to be strictly country oriented," states Shirley. "We don't take anything crocheted or



Bears, cats, pigs and ducks... all made out of antique fabric. The small pillows are made from the good portions of old bedspreads. Shirley says they are for decoration and should be handled with loving care.

knitted. That offends people. Everybody around can do it, so it's not going to sell. If you want an afghan you probably know someone that can make it," she adds.

The products must not only fit into the country decor of the store, but are expected to be a little unique and well done. The member of the craftsman's guild is very choosy about what she pushes.

"The hardest part about having the small business is when someone brings something to me and it isn't quite what I want. That doesn't mean that it isn't made well," smiles Shirley.

Each craft is carefully constructed down to the smallest detail. Currently, 22 consignors assist The Calico Place in keeping up with the demand for the quality crafts. Shirley is quick to praise her sister, Jean Detterline and mother-in-law Marjorie Over, for their dedicated assistance.

"I begged them to help me and they got hooked," she laughs. Her 17-year-old daughter, Lisa, works part-time in the new store. Shirley's son, Jeremy, 13, may someday be featuring his own craft in the shop. His mother says he has taken an interest in woodcarving.

A guest book reveals that the small building nestled in the woods receives visitors from California to New York and from Maine to Florida. "I sell alot to people out of the area. They know the value of things," admits Shirley. "Some of the people most critical are the ladies that have done this stuff all

their lives. They should know how much time it's worth."

The prices on the merchandise vary as much as the crafts and their makers do. Shirley allows the person placing it in the shop for sale to set the figure. "I have told some to put their price up, while others learn quickly if the price is too high, it prevents a sale."

There are a few Christmas decorations in the rural Pennsylvania store, however there is reason for limiting the yuletide decor.

"People are practical, you have to think of that. When they're looking for a gift they don't want something only Christmas looking, says the business-wise woman. Some of the consignors deliver seasonal decorations to the shop, which along with the Christmas tree creates a holiday glow.

Popular items this season are the grapevine wreaths and the unbleached muslin wreaths. With simple bow changes they can go through all seasons or compliment

(Turn to Page B4)

Homestead Notes



Shirley Over began collecting and selling antique quilts nearly six years ago. This pair from her private collection was made in 1865-1870. At anytime, the shop has at least 30 old quilts to show the customers. The quilt adorning the wall behind Shirley is an old Amish quilt. Unwilling to part with it, she says it's valuable and could be sold with one phone call.



Antique quilts make the perfect Christmas stockings to hang on the mantle.



Nestled in a grove of trees is a former stable now The Calico Place. Redecorated with old barn boards and beams the new business caters to collectors, seamstresses, those who like crafts and people who want to sell their crafts.



Ladies Have You Heard?

By Doris Thomas

Lancaster Extension
Home Economist

WHAT'S STRETCHY?

Wait! Before you buy that bright cheerful fabric to make your Christmas gifts, you have measured its stretch? If you don't spend a little time evaluating the match between your pattern and the stretchiness of that fabric, you could be in for big trouble!

Stability or stretchiness is a critical factor in the suitability of a fabric for a specific use. Most knits and many woven fabrics have some stretch, but the only way you can tell how much is to test each one. Here's how to do it.

— Use pins and a ruler or the stretch gauge on the pattern envelope. Fold the fabric on the crosswise yard direction or cross grain several inches from the cut or torn edge. If you need help, don't be afraid to ask a salesperson in the fabric shop. Then, using pins or your thumbnails, mark a 4 inch or 10 centimeter section. Gently, but firmly, stretch the fabric.

— If you cannot stretch the fabric or cannot stretch it beyond the 4½ inch or 11.5 centimeter mark on the ruler, then it is considered a stable fabric.

— If you are able to stretch the fabric to the 5¼ inch or 13.5 centimeter mark, then it is considered to be a moderate stretch fabric.

— If the fabric stretches beyond the 6 inch or 15.3 centimeter mark on your ruler, it is a stretchy fabric.

Now that you've tested the fabric, read the fabric recommendations listed on the outside of your pattern. Some patterns are designed to be used with moderate stretch or stretchy fabrics only and those recommendations should be taken seriously! Imagine the trouble you'd be in if you made two Christmas stockings of the same size and with the same pattern but for one, you used a super stretchy fabric. Just think how much more Santa would have to put in the stretchy stocking to fill it up!

WHEN TO

INTRODUCE SANTA

"Who's Santa?" That's an inevitable question very young children ask this time of year. Many parents are uncertain about when to introduce their young children to the idea of Santa Claus—

some even wonder if Santa should be avoided altogether.

It's impossible to keep children from hearing about Santa Claus. So take your cues from your children and let them enjoy the fun associated with Santa in a way that's appropriate for their ages. For the first two years, children have little understanding of Christmas activities. The name Santa doesn't have much meaning. In fact, a common reaction to seeing a fat man with a white beard in a red woolly suit is one of fear!

By the age of two, children are more conscious of Santa. But they're usually more interested in the presents under the tree on Christmas Day than they are in how the presents got there. At this age, parents should be careful not to force their children to talk to Santa. Some children just enjoy watching others get up on Santa's lap. Let your children tell you when they're ready to do it themselves.

Usually three-year-old children show a little more interest and believe that Santa brings them toys. Christmas is a time of excitement, but most children of this age are too young to understand the legends and reasons for the holiday season.

At around four, most children are interested in the details of Christmas, but even then, many are confused about what is happening and why.

Santa Claus is very real to the five and six-year-olds. Your children may be interested in writing letters or visiting Santa by this age. They may even want to leave Santa a late night snack. By five or six, children also learn that Christmas means giving as well as receiving gifts. This is an excellent time to let them help make, wrap, and deliver gifts to family and friends.

Your children's attitudes about Santa Claus and Christmas will be influenced by your own feelings and actions. Even when children outgrow their beliefs in Santa Claus, Santa's spirit can stay with them if family members express love and concern for one another by keeping the spirit of giving alive.

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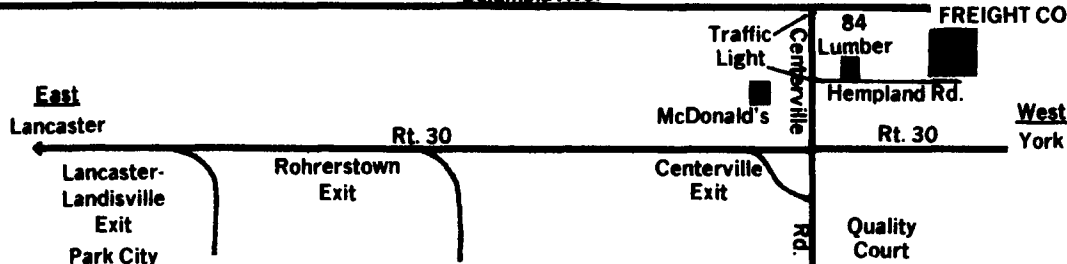
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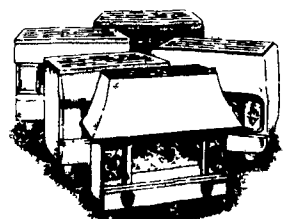
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Antique Quilts

(Continued from Page B2)

many different rooms in your home.

Shirley could talk forever about her private antique quilt collection and her growing understanding and work with antique fabrics.

"We work a lot with the old fabrics. Most of the quilts come from Bedford or Blair County," she stated proudly.

She visits auctions and flea markets and she has many people in the eastern part of the state looking for antique quilts. Sometimes the antique buff even gets the history in the price of the quilt. The oldest coverlet she displays is from 1848.

If a quilt or coverlet is damaged or worn, Shirley works on a solution that salvages the best. The products of the well-used accessories are displayed in the antique room of the store. The old fabric is used to make stuffed animals, colorfully quilted Christmas stockings and pillows.

The brilliantly colored and detailed bedspreads demonstrate the superiority of the old craft. An amateur would have difficulty deciding what is old and what is new.

"I can always tell by the fabric. It took me a long time and a lot of mistakes," she laughs.

The oldest quilts date back to the 1840s, while the newest quilt in the Over's antique collection is from the 1930s.

"I try to buy before the 1920s, preferably 1800s", smiles a confident Shirley.

Shirley doesn't always pay the asking price just because the fabric is old. "Someone will bring a quilt in and I'm not willing to pay their price. If they leave it, I will try to sell it for them at their requested price. I've sold some

that I thought were too high."

She has no trouble stocking quilts. Nearly 30 can be inspected at The Calico Place at anytime. Many of the quilts are purchased with a particular person in mind.

"I know exactly who I can ship it to from all over the United States. I don't give something to someone I don't know," she stresses. "Once people know you, the quilts can be moved pretty fast. I know someone will buy them, so I don't have to sell to just anyone."

An obstacle the businesswoman has had to deal with is her love for the blankets of yesterday. "Sometimes I like a quilt too much and just won't sell it to anyone," she jokes.

One reason Shirley admits that she prefers used quilts over the new is that the craft has changed over the years. She feels that the old Amish quilts are the most valuable for several reasons. 1. There aren't a lot of Amish people. 2. Years ago they did not use the "worldly" prints, but only the solid dark colors. 3. Their art was expressed in their quilting with a lot of intricate work.

An era past is still represented by not only the old fabrics in the shop, but also the antique furnishings. Old clocks adorn the mantel over the woodburning stove. A large corner cupboard, grain bin, desk and marble top tables are ideal backgrounds for the displays. Shirley says everything in the shop is for sale, even her husband's collection of North American Stoneware.

Craftspeople from the local area and across the state enjoy marketing their products under the watchful eye of Shirley. Some of her top sellers are Lancaster craftsman Jim Murphy's cutouts.

They are copies of original weathervanes and quilt patterns made of old tin, copper and wood. Cathy Weaver, a woman who does woodworking as a hobby supplies the store with reproductions of shaker boxes and shaker carriers.

Since the grand opening of her new place in October, Shirley has held nine craft classes with the help of her family. She is quick to urge her customers to try their own talents. The burlap wreaths,

machine appliques and hoop wall hangings have been well received.

While Shirley is fond of the older things, she admits that some people prefer the new quilts and pillows, which are made by the local woman. Wishing to satisfy many more of her customers Shirley expects to have more for children in the future.

"We're going to start children's monogrammed jumpsuits and jumpers and Little House on the

Prairie type dresses," says an excited shopkeeper. Stick horses should be arriving soon to seek a home with the children who visit.

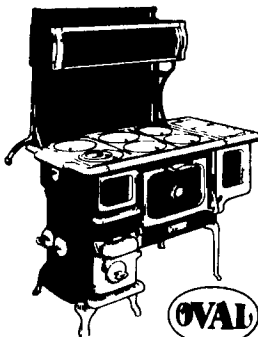
Enjoying the full support of her husband, who is as delighted with the merchandise as she is, Shirley sees the possibility of someday going strictly antiques. She reminds that it is a long way off into retirement, but they both look forward to devoting more time to antiques and traveling.



Shirley's sister, Jean, stuffs pillows made of antique fabric. The red and white, and blue and white pillows will be shipped to Texas.

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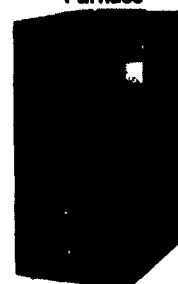
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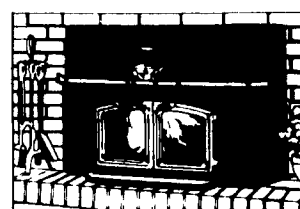
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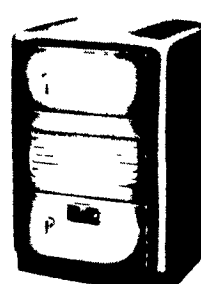
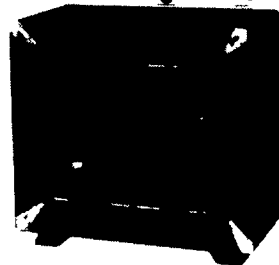
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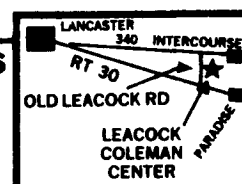


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On being a farm wife - And other hazards

Joyce Bupp



Santa has officially flown into town, magically descending into several cities simultaneously through his own special techniques.

In the wake of the jolly, red-suited arrival, millions of bright-eyed youngsters are making their

lists, checking them twice, thrice and then again. Meanwhile, parents strike out in the annual adventure of buy-hide-wrap.

Surrounded by dangling-carrot enticements of video, computerization and outer space lore, it somehow seems reassuring that

one of the hottest items going on the "want" lists this year is a doll.

Not a walking doll. Not a talking doll. Not a doll that eats or drinks or needs its diaper changed. Not a doll that demands the latest in designed bikini suits or ski outfits or a complete line of cosmetics.

Just a doll with a soft, gentle face and huggable, cuddly body.

A doll, in fact, that looks much like one your grandmother might have made just for you, with love and sewing basket scraps.

A doll, ironically, that had shoppers madly falling over one another in heated stampedes to be the first through store doors to grab up the limited supplies local merchants had acquired.

A doll whose supply-demand imbalance has caused store managers holiday headaches and sent them, in self defense, slapping "out-of-stock" notices on sales ads before the copy even went to print.

Cabbage Patch and related soft

sculpture dolls happily reflect the national surge back to "country" type traditionals. Once viewed as "rube" or "farmer" items, antiques, old toys, ad signs, barn and household gadgets seem to fulfill a need in Americans to reestablish roots and ties to those solid, simple, steady philosophies of life in an earlier time.

If huggables like soft dolls and cuddly bears in all shapes and sizes comprise a trend, I sure hope it continues, for the sake of all children who need something soft and warm to cling to in times of stress.

It would seem dreadfully difficult to try to hug, or cry with, a computer.

Make Your Own Gift Wrap

LANCASTER — Creat your own gift wrap, and give your gifts an extra personal touch this holiday season, suggests Greta C. Vairo, Extension home economist.

—For a seamstress' gift, sew fabric scraps together to design a patchwork wrapping and use a tape measure as a ribbon.

—Wrap a traveler's gift in a colorful road map.

—Use comic sections from the Sunday paper to wrap gifts for children.

—The sports section of the newspaper can serve as gift wrap for an athlete.

—For an earthy look, try brown paper bags. Decorate with leaves, pine cones or dried plants & nuts.

—Plain construction paper, shelf white or white freezer paper can be decorated when used as wrapping paper. This is a good way to use your old Christmas cards.

—String pulling is a very ancient method of decorating paper. Dip about 24 inches of string in poster paint, lay it in swirls and loops on the paper. Lay another piece of paper over the coiled string and pull the string out in one continuous motion.

If you're the kind of person who really likes to get your hands into a project, dip the palm of your hand in poster paint and make hand-prints all over the plain paper.

When you think you've mastered this, try making "bear tracks" by dipping just your palm in the poster paint. Make your palm print on the paper. Dip your fingers in the paint and print them just above your palm print.

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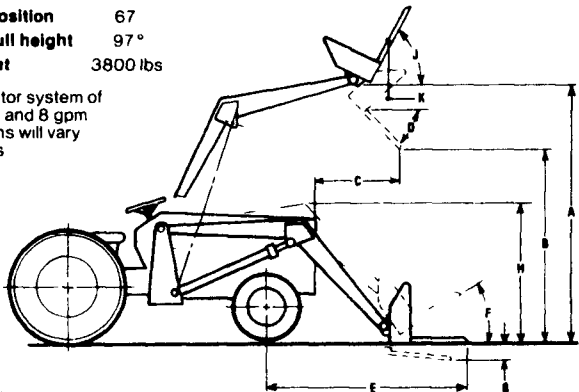
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C. Reach at maximum height	28	K. Lift capacity to full height	3800 lbs
D. Maximum dump angle	43°		
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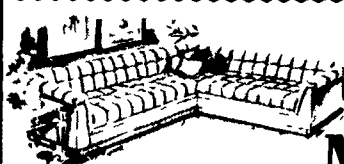


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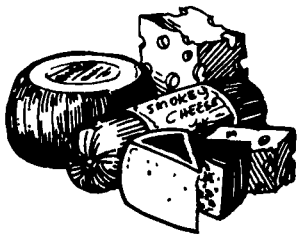
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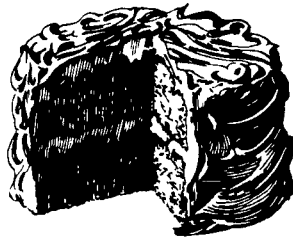
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John J. Rutt



Home On The Range



It's Cookie Time!

In just three short weeks it will be Christmas, and for young and old alike, that means cookies and lots of them.

For many families baking cookies is a pre-Christmas tradition, and the aroma of the goodies baking is almost as enjoyable as the taste. To keep that taste as delicious the second day as it was the first, Extension home economists recommend not storing cookies until they are cool. Then, soft cookies should be stored in containers with tight-fitting lids, while crisp cookies should be stored in containers with loose-fitting covers.

Crisp cookies that go limp can be made crisp by placing them on a baking sheet in a 325-degree oven for three to five minutes. And for soft cookies that dry out, place a slice of apple or bread in the container and close tightly.

But before you store cookies, you have to bake them. Here are some new recipes for you to try.

The following two recipes are from Mrs. Ray A. Keeny, New Freedom.
OATMEAL-CHOCOLATE CHIP COOKIES

- 1 cup soft shortening
- 1 cup brown sugar
- 1 cup white sugar
- 2 unbeaten eggs
- 2 teaspoons vanilla
- 2 tablespoons milk
- 2 cups sifted flour
- 1 teaspoon baking powder
- 1 teaspoon soda
- 1 teaspoon salt
- 3 cups rolled oats
- 1/2 cup chocolate chips

Put soft shortening, brown sugar, white sugar, eggs, vanilla and milk into mixing bowl. Mix well. Sift flour, baking powder, soda and salt together. Add sifted dry ingredients to creamed mixture. Mix well. Add rolled oats and mix. Last stir in chocolate chips. Bake cookies in 375-oven for 10 to 12 minutes.

GOOD COOKIES

- 2 cups white sugar
 - 2 cups brown sugar
 - 1 1/3 cup butter or lard
 - 2 eggs
 - 2 cups sour milk
 - 2 teaspoons soda
 - 2 teaspoons nutmeg
 - 10 cups flour
- Cream sugars and shortening. Add eggs. Beat smooth. Sift the three dry ingredients together. Add alternately with sour milk. Roll, cut, bake at 400 degrees for 10 to 12 minutes.

ALMOND CRESCENTS

- 1 cup butter
 - 3/4 cup sifted confectioners sugar
 - 3/4 teaspoon almond extract
 - 2 cups all-purpose flour
 - 1/2 teaspoon salt
 - 3/4 cup sliced almonds, finely chopped
- Preheat oven to 350 degrees. Cream butter; gradually add sugar and almond extract. Beat until light and fluffy. Combine flour and salt. Gradually add to creamed mixture. Stir in almonds. Shape teaspoonfuls of dough to form crescents. Place on unbuttered cookie sheets. Bake 12 to 15 minutes or until lightly browned. Remove immediately to wire racks. Sprinkle with confectioners sugar while warm.

ENGLISH NUT BARS

- 3/4 cup butter
 - 3/4 cup sugar
 - 1 egg yolk
 - 1 teaspoon vanilla extract
 - 1 3/4 cups all-purpose flour
 - 1/2 teaspoon salt
 - 1 egg white
 - 3/4 cup chopped walnuts
- Preheat oven to 325 degrees. Cream butter in a large mixing bowl; gradually add sugar. Beat until light and fluffy. Beat in egg yolk and vanilla. Combine flour and salt; gradually add to creamed mixture. Spread evenly in unbuttered 13x9-inch pan; brush top lightly with egg white and sprinkle with nuts. Bake 30 to 35 minutes. Cool slightly in pan on wire rack; cut into 1-inch wide rectangles or diamonds. Cool completely before removing bars from pan.



There's nothing like an assortment of freshly baked goodies to add festivity to the holidays. Placed in a pretty Christmas container, homemade cookies also make a nice gift idea.

The next two recipes are from Betty Biehl, Mertztown.

LACE COOKIES

- 2 1/4 cups quick oats
 - 2 1/4 cups light brown sugar
 - 3 tablespoons flour
 - little salt
 - 1 cup melted butter
 - 1 egg, slightly beaten
 - 1 teaspoon vanilla
- Mix oats, sugar, flour and salt, stir in butter. Add egg and vanilla. Arrange by 1/2 teaspoon on cookie sheet with tin foil on it. Bake for seven minutes in a 350-degree oven or until edges are slightly brown, but middle is still bubbly. Cool before removing from foil. They should peel off. If not, return to oven and bake for about 30 seconds.

COCONUT DROP COOKIES

- 3 cups coconut
 - 2/3 cup sweetened condensed milk
 - 1 teaspoon vanilla
- candied cherries
- Mix first three ingredients. Drop on well greased cookie sheets, top with a candied cherry. Bake at 350 degrees until slightly browned.

MEXICAN MOCHA BALLS

- 1 cup butter
 - 1/2 cup sugar
 - 2 teaspoons vanilla extract
 - 2 cups all-purpose flour
 - 1/4 cup cocoa
 - 1 tablespoon instant coffee powder
 - 1/2 teaspoon salt
 - 1 cup finely chopped pecans
 - 1/2 cup chopped maraschino cherries, drained
- confectioners sugar
- Cream butter in a large mixing bowl; gradually add sugar and vanilla. Beat until light and fluffy. Combine flour, cocoa, coffee powder and salt; gradually add to creamed mixture. Blend in nuts and cherries. Chill dough for ease in handling. Preheat oven to 325 degrees. Shape into balls one inch in diameter and place on unbuttered baking sheets. Bake 20 minutes. Remove to wire racks. While warm, dust cookies with confectioners sugar.

Cook's Question Corner



ANSWER - A few weeks ago, a reader from Warren Co., N.J., wanted a recipe for yeast waffles. Below are the two we received.

Yeast Waffles

- 1 1/2 cup milk
- 3 eggs, separated
- 1 cup oil
- 2 cups whole wheat flour
- 1 teaspoon salt
- 1 teaspoon sugar
- 1 package yeast

Combine milk, egg yolks, oil, flour and salt in 2-quart mixer bowl, beat well. Mix 1/2 cup water, sugar and yeast together, stir until yeast and sugar are dissolved. Stir into flour mixture. Beat egg whites, until stiff peaks form, fold into batter. Refrigerate overnight. Bake in hot waffle iron until crisp and golden brown. Let stand over night.

Betty Evans
Pequea

Yeast Waffles

- 2 cups milk
- 1 package dry yeast
- 1/2 cup warm water
- 1/3 cup melted butter
- 1/2 teaspoon baking soda
- 1 teaspoon salt
- 1 teaspoon sugar
- 3 cups sifted flour
- 2 eggs, slightly beaten

Scald milk, cool to lukewarm. Sprinkle yeast on warm water in large bowl. Stir to dissolve. Add milk, butter, salt, sugar and flour to yeast. Mix thoroughly with rotary or electric mixer until batter is smooth. Cover and let stand at room temperature overnight. When ready to bake, add eggs and baking soda. Beat well. Bake on preheated waffle iron.

Betty Remick
Flemington, N.J.

Recipe Topics

December

- 10 Everybody Loves Potatoes!
- 17 Christmas Desserts
- 24 Holiday Thirst Quenchers

Featured Recipe

This week's featured recipe is Joyce Hershey, who recently authored "The Bounty of Chester County Cookbook." She is featured this week on our Family Living page in an article entitled, "Farm Families: Do they Differ From Other Families?" Read about her, and then try this cookie recipe, which is a favorite of her husband, Art, who is a State Representative.

Filled Raisin Cookies

- Cream together: 2 cups packed brown sugar and 1 cup butter
- Add: 3 eggs, well beaten
- Sift together: 4 cups flour and 1 teaspoon soda
- Mix all ingredients together and chill overnight.

Filling:

- 1 cup brown sugar
 - 1 cup water
 - 1 cup raisins
- Cook together and thicken with 2 tablespoons flour.
- Roll out dough into 1/4-inch thick circles. Place 1 teaspoon filling on cookie and cover with another cookie. Seal edges. Bake at 350 degrees for 10 to 12 minutes or until lightly browned.

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Cookbooks Make Good Christmas Gifts

LANCASTER — It's ironic. More meals are being eaten outside the home than ever before at a time when more people are interested in cooking creatively. Maybe they have more energy to whip up souffles, stir-fry vegetables or concoct a complicated casserole when they're in the kitchen three or four nights a week instead of seven.

Whatever the reason, cookbooks are being published and purchased at an amazing rate, says Greta C. Vairo, Extension home economist. Cooking for one or two, cooking for a crowd, vegetarian cooking, ethnic cooking, cooking for babies or even the football team are but a few topics which you may find in today's cookbooks.

If you think a cookbook might be just the gift for someone on your list, ask yourself these questions to help you choose the right one.

— What are the individual's current cooking habits? Don't give a gourmet cookbook to a meat and potatoes cook. By the same token, a book of recipes requiring lots of convenience ingredients won't be appreciated by cooks who pride themselves on using only natural foods.

— Does the cook have a piece of equipment such as a microwave oven, a food processor or a wok that isn't used very often. Consider giving a cookbook that focuses on the techniques of using it.

— Is the person on a special diet? Avoid the quick-answer fad diet books and ask your county Extension home economist or local dietician for a recommendation.

— What qualifications does the author of the cookbook have? Books by teachers of well known cooking schools, reputable food writers, home economists or those sponsored by major magazines are usually well done.

— Does each recipe in the book give the yield or number of servings? Some even include nutrition information and calories per serving.

— Are the cooking time and temperature clearly stated? "Cook until done" for example.

— Finally, do the recipes call for ingredients that are generally available in the cook's locale?

ACP enrollment

YORK — Enrollment in the 1984 ACP Program is now open. Enrollment dates are from Nov. 1 through April 1, 1984.

Those practices that would reduce soil loss to a higher degree will receive the highest priority in approval. The York County ASC Office at 120 Pleasant Acres Road has complete details.

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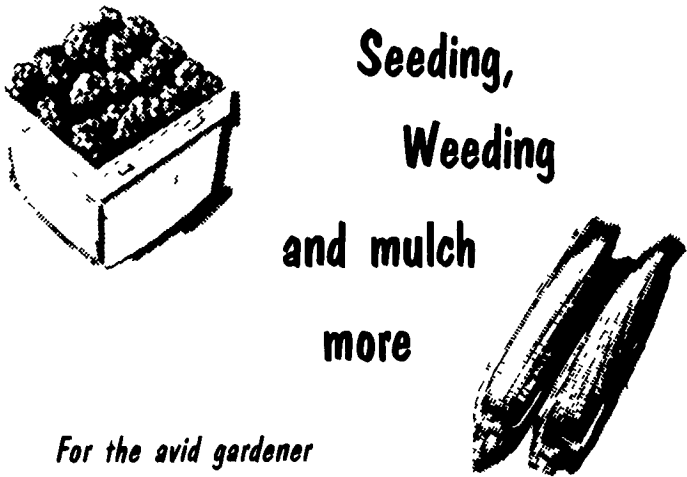
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For the avid gardener

Cold Frames Extend Garden Activity

Some gardens have'em, some don't. But if you are interested in extending your garden activities and the seasons of your plants, you'll join those who do, and build yourself a coldframe, says Paul N. Reber, county agent.

A coldframe is a bottomless box, commonly made of wood with a transparent top. The top is often made from old storm windows in the winter and of wooden laths in the summer. It covers and protects plants from adverse weather and provides them with favorable growing conditions in their tender stages of growth. A coldframe is much more than a way to get an early jump on spring. In fact, this easily constructed box can be useful all year around.

In the fall, coldframes can protect late season salad vegetables from early frost and are an ideal seed bed for perennials, hardy annuals, and wildflowers that benefit from a season of cold before germination. They are great for storing potted spring bulbs to be brought in for forcing in midwinter. If well protected themselves, cold frames can also protect root vegetables for winter

use.

In the spring, coldframes are used to harden off seedlings started indoors, to raise an early crop of spring vegetables, and to allow you to start your spring sowing program early. Coldframes give shelter and shade to houseplants and light-sensitive perennials during the heat and bright sun of summer and make a good propagation area for ground covers, shrubs, and perennials.

Locate your coldframe where it will be well protected from the wind, near a good supply of water, and in an open area so you can take full advantage of sunlight during the day. Ideally it should be placed on slightly sloping ground for good drainage and positioned with the lower end facing south or southeast and the high back end toward the north. Up against a house or garage is often a good choice.

Wherever you place your coldframe, the back should be 6 inches higher than the front for maximum sun and good drainage across the top — 6 inches at the front and 12 inches at the back is standard. Make the length and width to suit your site and building

materials.

Wooden frames are the most common, least expensive, and can be quite durable if made of cedar or wood treated with a preservative. DO NOT treat with pentachlorophenol or creosote. A preservative with copper in it is generally satisfactory. Read the label before applying treatment. Exterior grade plywood and assorted "extra" lumber you may have on hand are also good to use.

Cinder block is also a good building material for coldframes. These are more durable than those made of wood, but cannot be moved if you need a temporary shelter for plants in place of your garden.

Once you have the wooden sides ready, assemble with removable pin door hinges for portability, angle irons, or even 2" or 2' wooden cleats for corner support.

Once you've built your coldframe, you'll need to manage its ventilation, watering, drainage and temperature. The main danger, no matter what you grow, is excessive moisture especially in the early part of the year. Overwatering and too little ventilation will often lead to disease problems. All containers and rooting or growing media used in the frame should be well drained.

If you're growing seeds, water after sowing and keep the sash closed or nearly closed until after

germination. From then on whenever you water, do it in the morning so foliage has time to dry during the day. If moisture accumulates on the inside of the sash, ventilate by raising sash several inches until moisture is removed.

During cool weather, you may need to close the sash in late afternoon to trap additional heat from the sun to help maintain uniform temperatures during the night.

On very bright days, new seedlings and cuttings need protective shading. In most cases the best type of shade is something

that can be removed at night, in dull weather, and when more light is needed. Wooden laths, or split bamboo fixed to light frameworks make excellent shades that are easy to handle. If weighted down, open-weaver burlap also works well.

White latex paint (water based) also works well for shading but is difficult to remove. Clay and water can be used as a temporary paint and washes off easily when not needed.

During our coldest weather, protect the contents of your coldframe with straw, hay, old blankets or leaves.

Christmas Program Announced

NORRISTOWN — The Montgomery County Extension Service has announced plans for the Annual Homemakers Christmas Program on Tuesday, Dec. 6 at 9:30 A.M. to 1:30 P.M. at the Lansdale 4-H Center, Snyder Road off Rt. 363.

The program is open to the public and will include music by the North Penn Choral Group and the Suzuki String Students of North Penn School District. Officers Myers, Newman, and Morrison of the Towamencin and Montgomery Township Police will give tips on avoiding crimes and break-ins during the holiday season.

Margot Carney will present a program, Christmas Wonderland, on simple and imaginative holiday decorations and gift wrappings. Participants will then take part in a hands-on craft workshop.

Other highlights include a display of toys made or purchased by homemakers to contribute to Toys For Tots, and a Boutique Table selling homemade items to benefit the 4-H Program.

Reservations are not required. Cost for the day is \$1.25. There will also be an evening program from 7:00 to 9:00 p.m. at the same location. For more information, contact the Extension Office at 277-0574.

Jake, how come whenever I see you lately, you're sitting on your rocker?

Luke, I've made up my mind to sit tight until the December 10th issue of Lancaster Farming comes. I can't wait to catch all them bargains on **BINKLEY & HURST BROS.** Special Flyer for their **CASH & CARRY DAYS SALE, starting Dec. 12th thru Dec. 29th!**

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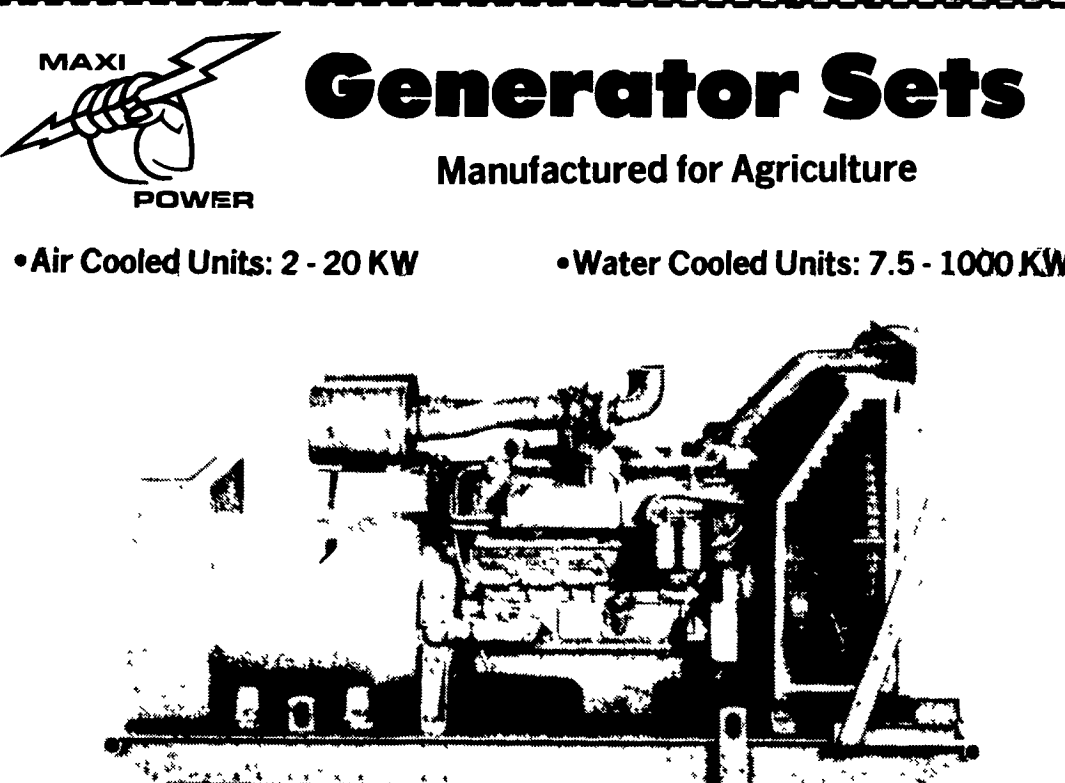


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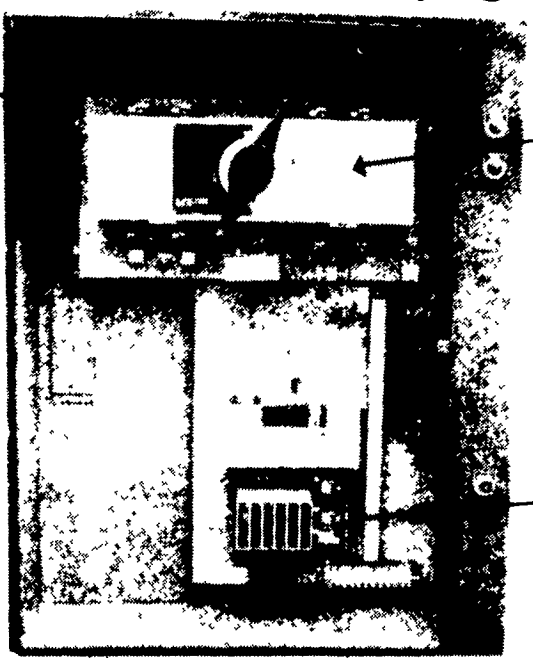
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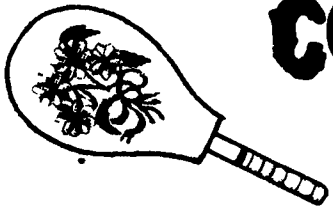
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CRAFT CORNER



How to bobble for sweaters

Bobbles make a sweater bold, beautifully textured and truly unique. They can be used at random, in overall patterns or in pictures. In Aran knitting, for example, bobbles often symbolize boulders in seascapes.

The sweater shown here is a

checkerboard of bobbles. Designed to be knit of Bernat "Blarneyspun," 100 percent imported Irish wool or "Berella 4" acrylic, the finished pullover boasts rich, dimensional bobbles in front and on the sleeves.

A kit to make the sweater may be ordered by writing to the ad-



dress that follows this column. To learn the bobble pattern stitch now, however, read the directions below.

All bobbles are based on the principle of creating a number of stitches from one. To knit bobbles, therefore, it's important to understand how to increase and decrease stitches using techniques abbreviated as follows: yo, sl and

pssso.

The "yo" or "yarn over," is a way of adding an extra stitch on the needle. To do a yarn over, wind the yarn from the front of the work over the top of the right-hand needle. Then knit the next stitch in the usual way.

Sl, k, pssso is a combination of stitches used to decrease the number of stitches in your row.

"Sl" means "slip" the stitch from the left-hand needle to the right-hand needle without knitting it. Whenever the slip, you must remember to insert the right-hand needle into the stitch from the back to the front as you would to begin a purl stitch. In the sl, k, pssso combination, a knit stitch follows the slip stitch. Therefore, if you're testing these instructions, the slipped stitch will be the second stitch on your right-hand needle.

"Pssso" means "pass the slipped stitch over the knit stitch." In other words, to complete the decrease, insert the point of the left-hand needle into the second stitch on your right-hand needle. Then lift the stitch over the knit

stitch and off the needle.

Now that you understand the above techniques, you'll be able to try the bobble pattern shown in the sweater above. For your convenience, nothing is abbreviated.

BOBBLE PATTERN STITCH:

Cast on 15 stitches.

Row 1: Purl.

Rows 2, 4, 6, 8, 10, 12 and 14: Purl.

Rows 3, 5, 7, 9, 11 and 13: Purl 2, knit 11, purl 2.

Row 9: Purl 2, knit 1, in next stitch knit 1, yarn over, knit 1, yarn over, knit 1, turn, purl these 5 stitches, turn, knit these 5 stitches, turn, purl these 5 stitches, turn, slip 1, knit 1, pass slipped stitch over, knit 1, knit 2 together, turn, purl 3 together (bobble made), turn and slip this stitch onto right-hand needle, knit 7, bobble, knit 1, purl 2.

THE 100 PERCENT WOOL SWEATER KIT, complete with instructions and Blarneyspun 100 percent wool Irish import, is available in natural (off-white), claret heather (red wine), gray flannel, chestnut-brown heather, loden-green heather, denim-blue mist and barley (tan-white mixture).

Blarneyspun is a 3-ply yarn spun to a knitting worsted gauge. It is composed of water-repellent, unscoured wool traditionally used in Irish fisherman's knits, and may be hand washed or dry cleaned.

Kit W-948: Small (8-10) \$38; Medium (12-14) \$42; Large (16-18) \$50. For all sizes, add \$2.50 postage and handling. Add \$11.50, if desired, for the matching hat.

The **BERELLA SWEATER KIT**, complete with instructions and "Berella 4" 4-ply acrylic yarn is available in natural (off-white), claret heather (red wine), oxford-gray heather, chestnut-brown heather, deep moss green, denim-blue heather and flax (tan-white mixture).

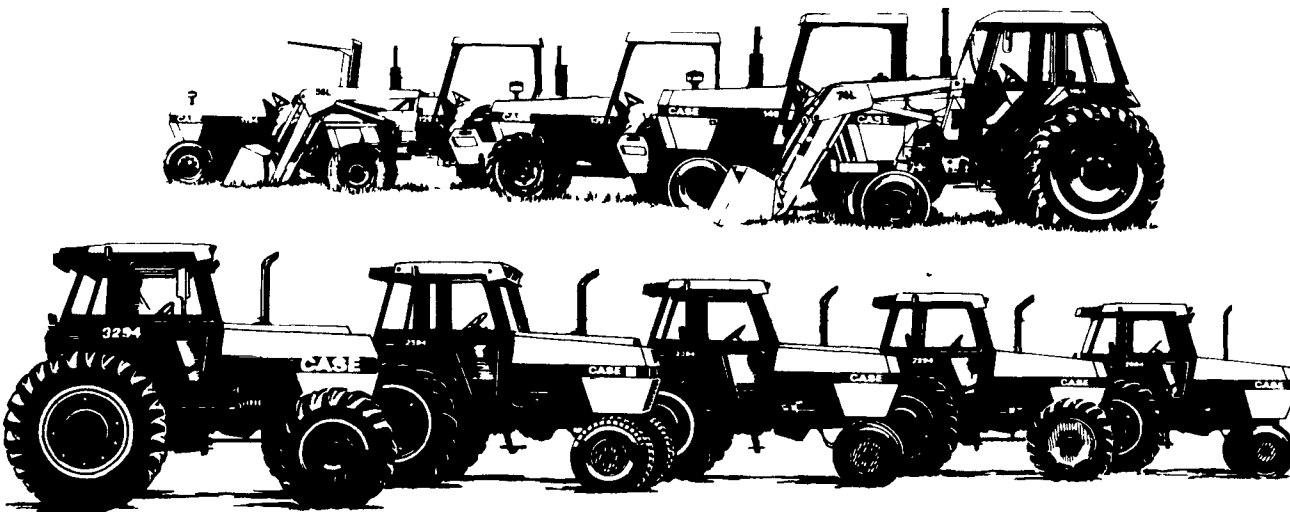
Berella 4 is 4-ply knitting worsted weight yarn of machine-washable and dryable acrylic, blended to look like wool.

Kit A-948: Small (8-10) \$11.50; Medium (12-14) \$11.50; Large (14-16) \$14.50. For all sizes, add \$2.50 postage and handling. Add \$3, if desired, for the matching hat.

TO ORDER, send kit price plus postage and handling to Lancaster Farming, P.O. Box 366, Lititz, Pa. 17543. Specify kit number, size and color. California residents, please add 6½ percent sales tax.

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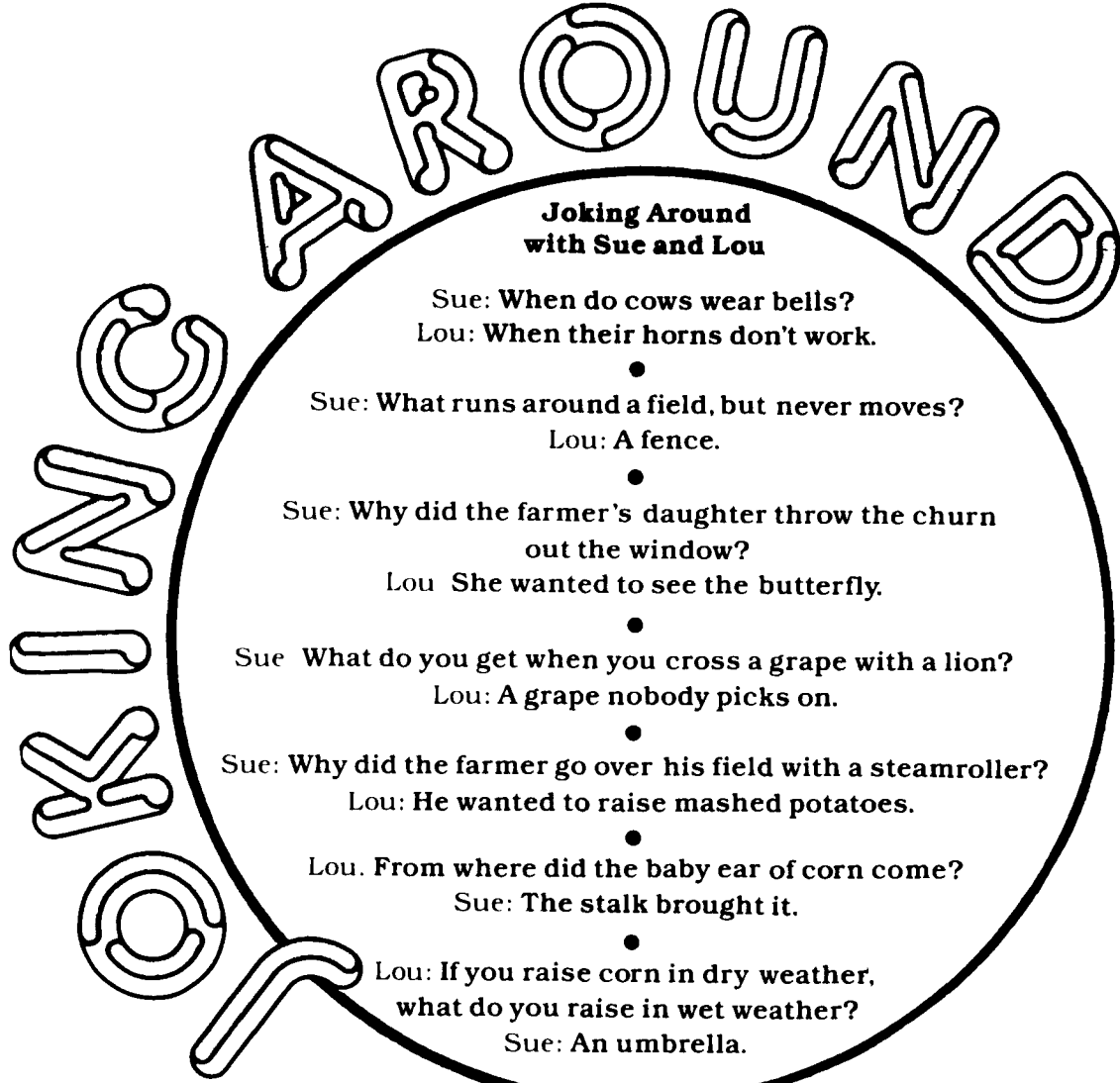
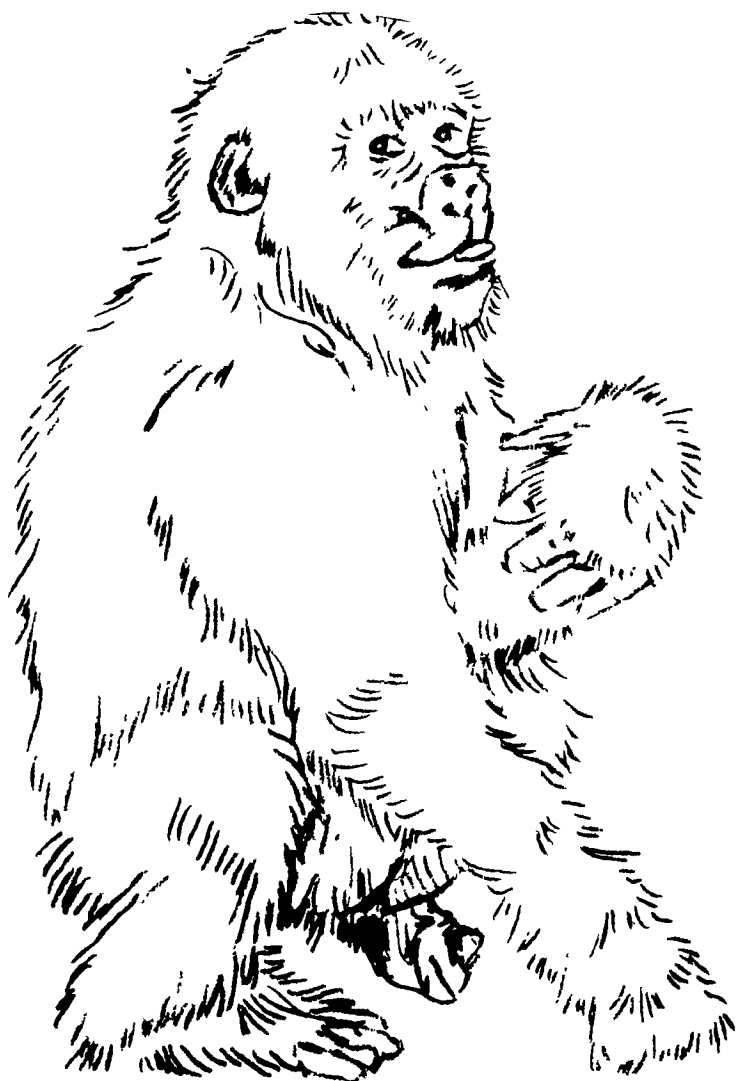
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Kid's Korner



Meet a Giant Snowflake

Snowflake, the world's only known all-white gorilla, has grown into a greawt big blizzard!

When he was found as an orphan in Africa, two-year-old Snowflake weighed just twenty pounds. But now at his home in the Barcelona Zoo in Spain, Snowflake is five feet tall and weighs 400 pounds.

Snowflake's mother was killed in 1966 while raiding a farmer's

garden. The scientists who were called in to cre for her orphan were stunned. They had never seen an albino, or pure white, gorilla before. And neither had anyone else.

Dr. Arthur Riopelle of Louisiana State University has studied Snowflake ever since the gorilla was found. He went to Spain two years ago to see his old friend.

Dr. Riopelle reports that

Snowflake seems fine, fat, and sassy. He now has several mates and offspring. All of the little gorillas are dark like their mothers. "The chances of Snowflake fathering an albino are about one in a hundred," says Dr. Riopelle.

But what might one of Snowflake's kids be called if it were born white? Why, a furry, flurry, of course!

Did You Know?

— Tiny Norfolk Island in the South Pacific derived 28 percent of its total income in 1982 from sales of its postage stamps. They brought in 750,000 Australian dollars that year.

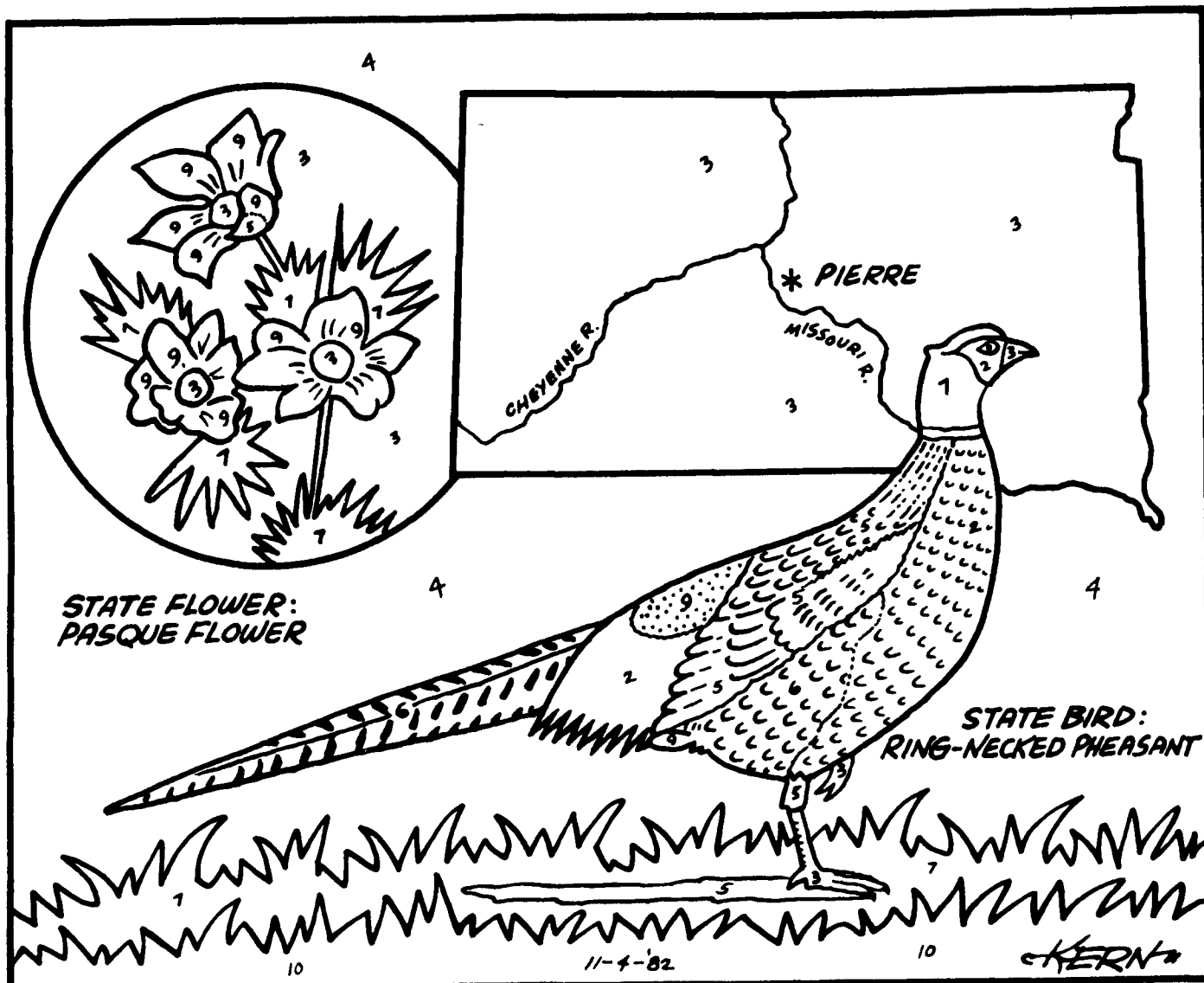
— The seven billion chocolate chip cookies that Americans bake in their homes each year, laid edge to edge, would stretch almost nine times around the Earth at the equator.

— With more than half of Delaware farmland, the nation's second smallest state has the largest percentage of agricultural land on the East Coast, National Geographic reports.

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SOUTH DAKOTA. THE MISSOURI RIVER DIVIDES THE STATE INTO TWO SECTIONS. THE NEARLY FLAT EASTERN AREA AND THE HILLY LAND IN THE WEST. SOUTH DAKOTA HAS TWO NICKNAMES "THE SUNSHINE STATE" AND "THE COYOTE STATE." THE BLACK HILLS WITH ALL OF ITS ATTRACTIONS IS LOCATED IN THE WESTERN PART OF THE STATE. IN 1889 IT WAS ADMITTED TO THE UNION.



Ida's Notebook

Ida Risser



Recently, I reread the will of an ancestor of mine that was written in the 1700's. It was interesting to see how he provided for his wife's care without a thought of something like Social Security.

The house was bequeathed to her during her lifetime, plus "a planting garden with sufficient manure." He gave her a large amount of gold and silver and the right to choose "beds, bed cloths, linen, household and kitchen furniture, also two cows of her

choice and a horse or mare." His sons were instructed to supply their mother each year with "30 bushel of good wheat, 5 bushel good rye, 5 bushel Indian Corn, 5 bushel buckwheat, 1 fat hog at least 150 lb., 30 lb. flax or hemp, firewood, apples as she may need, stable room for a cow and riding creature, fodder and pasture for same."

Each of the seven children were given the farms on which they lived. At that time, they were

referred to as "plantations."

Another intriguing thing about old papers is the spelling. On a 1774 map of Manheim Township in Lancaster County some of the family names are spelled quite differently than they are today. Although one can almost always tell what they meant. As an example Schryner became Shreiner, Snively and Schnebele became Snavelly, Iekelberger became Eichelberger and Netzley became Nissley. Of course some names remained the same to this day and descendants still live in the same area. Such names are Bear, Long, Myers, Funk, Huber and Miller.

It seems that when we are younger we aren't very interested in history. Then as we grow older and want to ask questions, we find that it is too late as parents and grandparents are no longer living. Now we are the older generation and it is up to us to pass on the traditions with which we were raised.

Your Crafts are Showing

LANCASTER — Have you ever received a beautiful hand-made craft and not known what to do with it? Crafts are not only made to be used, they can also be displayed to beautify and add character to your home.

According to Marcell A. Seckman, Extension home economist, one of the best things about decorating with crafts is their availability. We make our own, receive them as gifts, and buy them at fairs and festivals. If you want to use the crafts you have to decorate your home, select those that show quality in design, workmanship and materials.

There's a place for crafts in nearly any room of your house. Try hanging or displaying them in unexpected places such as hallways, bedrooms, bathrooms,

kitchens to create your own crafts gallery.

Two and three dimensional crafts have different space needs for display. Generally, three dimensional crafts such as furniture, pottery, baskets, and boxes need only space for the object and a surface that will support their weight. Two dimensional crafts can be hung on their own, hung within a frame, or grouped in a series of related crafts in or out of frames.

Look for the unexpected spot to show your crafts. Study the space and the area around it so you can select a craft that "fits" and relates to the surrounding objects.

Design is the key to how and where you display your crafts. Place them at eye level and integrate them so that your eye moves easily around the room. Establish a focal point to showcase your best pieces and allow them room to breathe and be noticed.

Once you have decided where, you need to think about how. Test the condition of the wall and the weight of the object. Some types of walls are able to support more weight than others. You'll also need to decide whether you want to live with an arrangement of crafts for some time if you want to be able to change them around. Temporary and permanent installations require different types of preparation.

To order the pamphlet, "Your Crafts Are Showing: A Practical Guide to Creative Decorating" write to the Duplication and Distribution Center, Agricultural Administration Bldg., University Park, PA 16802. Ask for it by title.

Grego Receives Scholarship

Nancy Grego, of RD1, Morris, daughter of Mr. & Mrs. Paul Grego, has received a \$250 scholarship from the Lydia Tarrant Extension Homemakers Fund. Nancy is a junior at Mansfield University, Mansfield, and is one of 12 to receive the awards.

The Fund, which was established in 1953 to help provide educational opportunities for young people interested in studying home economics, closed its books on October 18.

"It seems an appropriate time to conclude business — with an even 30 years," says Ruth F. Funk, member of the Fund's State Committee and Penn State Extension director for the Northeast Region. "As of August 1983, we'd awarded 522 scholarships for a total of \$114,400. At the final meeting, our treasury split the remaining balance into two donations, giving \$1,690 to both the Penn State Ag Arena Building Fund and the Pennsylvania Friends of 4-H."

The Extension Homemakers' Scholarship Fund began with a \$300 contribution from the participants of the first Extension Homemakers' Week held at Penn State. When Lydia Tarrant retired as state home economics leader in 1960, the committee of homemakers added her name to the fund's title, honoring Miss Tarrant as the scholarship's organizer.

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Puppy Raisers Needed

LANCASTER — The Seeing Eye seeks families to raise puppies destined to be dog guides for blind people. Puppies born at the scientific breeding station in Mendham Township will soon be ready for loving homes.

The Seeing Eye pays veterinary expenses and provides a monthly allowance to help defray other puppy raising costs. The 4-H youngsters who raise the puppies

take them to local 4-H meetings to teach them basic obedience, and a Seeing Eye representative will visit the home periodically to help with the care and handling of each pup.

Raising a Seeing Eye puppy is a family project. As a family member, a puppy gets the confidence it needs to be a Seeing Eye dog. When it's old enough for training, it will already be well

adjusted to family life. Sometime between 12 and 14 months of age the pup will return to The Seeing Eye for specialized training.

At the Seeing Eye in Morris Township, N.J., qualified instructors teach Seeing Eye dogs to guide blind people. Since 1941, 4-H families have been raising puppies for The Seeing Eye. For more information call your local county 4-H agent.

Gifts are for Giving

LANCASTER — Boys and girls enjoy holidays, birthdays and other gift occasions. From an early age they are active gift receivers, enjoying the anticipation as well as the gifts themselves. They enjoy being asked to specify particular items they'd like; to make Christmas lists and birthday lists.

However, children need to experience gift giving too, says Greta C. Vairo, Extension home economist. Even preschoolers can participate in planning, making and shopping for gifts for family and family friends. They need to learn why gifts are given.

Well-planned gift giving can be an enjoyable learning experience

for parents and children. Planning is the key. You need time if you want to include children in the process. A last minute rush to the stores to purchase a list of items won't do the trick.

The children can be involved in planning what would be just the right present for grandmother. They enjoy helping dad decide what to give mother, especially when they get to go on a shopping trip with him for the special gift. Older children can do their shopping in a semi-supervised way. One possibility is a family outing that includes lunch, or a snack in a restaurant. After eating,

the family can break into groups to shop for each other. These groups can be re-formed until each child has shopped for both parents, brothers and sisters.

Wrapping gifts can be fun too, with "secret" sessions going on in different corners of the home as surprises are readied by children who are givers as well as receivers.



If raising puppies is of interest to you, contact your local 4-H agent.

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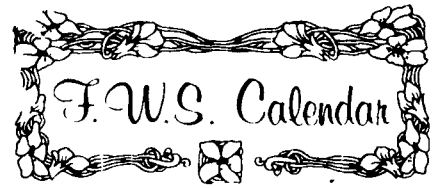
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Saturday, Dec. 3

Lancaster Society 12 meets for a Christmas party at Lions Building in Millersville.
Lancaster Society 9 meets for a Christmas party.

Sunday, Dec. 4

Berks Society 6 meets for a Christmas party.
Lancaster Society 28 meets for the morning service at Founder's Hall, Hershey.

Tuesday, Dec. 6

Lancaster Society 27 meets for a Christmas program at 6:30 p.m.

Wednesday, Dec. 7

Lancaster Society 24 meets for a program about graham cracker houses.

Thursday, Dec. 8

Lancaster Society 15 meets for a Christmas party at Rhoads Restaurant.

Lancaster Society 21 meets for a Christmas dinner and gift exchange.

Friday, Dec. 9

Lancaster Society 33 meets for a Christmas party.

Saturday, Dec. 10

Lancaster Society 6 meets at the Church of the Brethren to entertain families for Christmas.

Lancaster Society 25 meets to hear Howard Hess talk about covered bridges.

Lancaster Society 2 meets to sew bed pads for nursing home.

Berks Society 5 meets for a Christmas banquet and to see David Horst's Magic Act.

Lancaster Society 20 meets for a Christmas party.

Lancaster Society 19 meets for a Christmas banquet at Leola Family Restaurant.



Lancaster Society 34

Lancaster Society 34 met Nov. 21 at the home of Tina Glick for a program on the making of a chicken scratch Christmas tree ornament.

It was noted that the Craft Fair was successful, and the remaining crafts will be sold at a craft fair at the Bart Fire Company today.

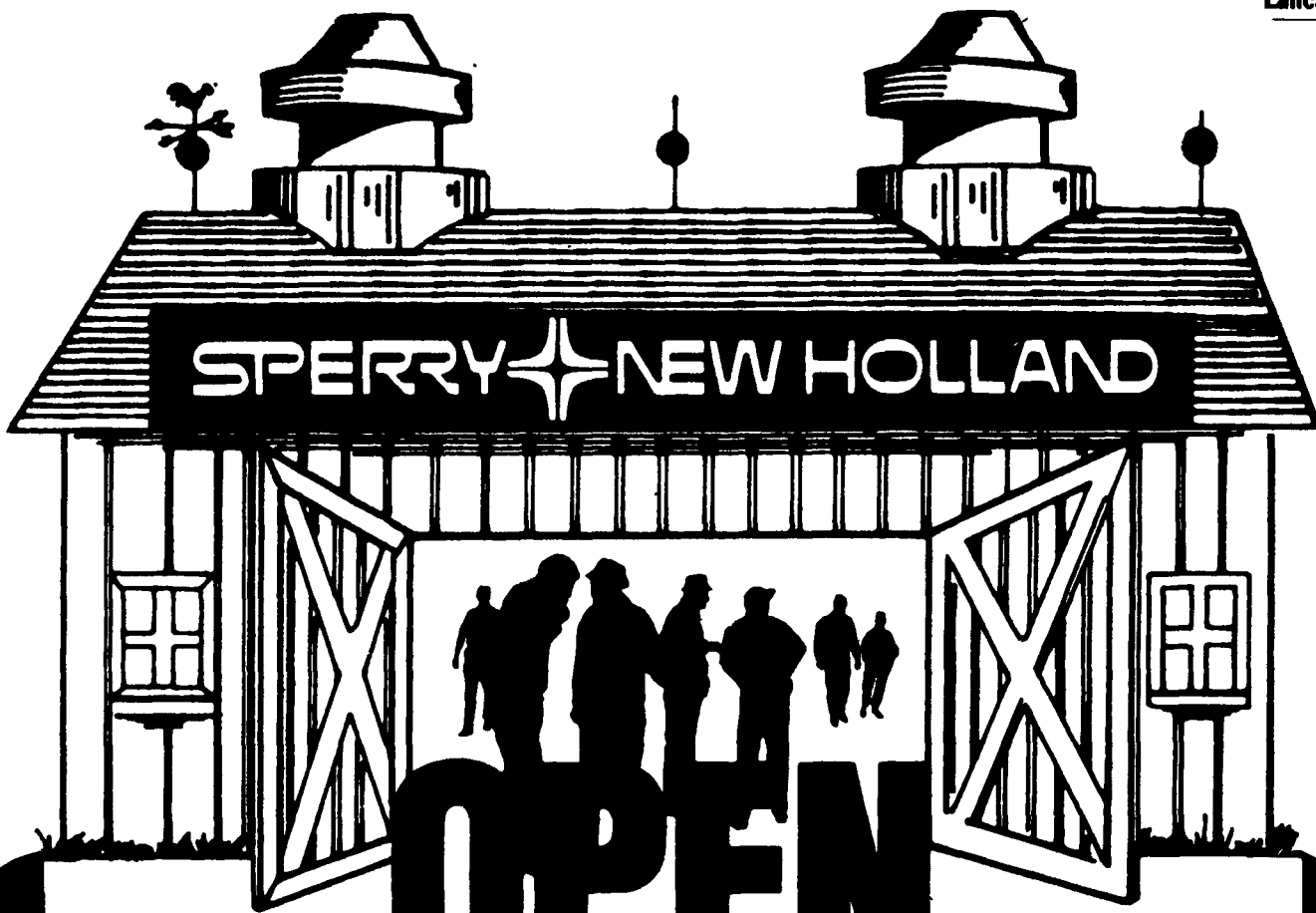
Three members will attend the State Convention Jan. 9-10.

Home Ec Scholarship Announced

NORRISTOWN — The Homemakers Clubs, sponsored by the Montgomery County Extension Service, have established a scholarship of \$250 for eligible home economics students. The recipient must be a resident of Montgomery County, of junior or senior status and may attend any college or university.

The scholarship committee will consider scholastic excellence as well as financial need. Special consideration will be given to those applications with 4-H experience.

Applications are available from the Montgomery County Extension Service, 400 Markley Street, Norristown, Pennsylvania 19401, 277-0574. Completed applications are due June 1, 1984.



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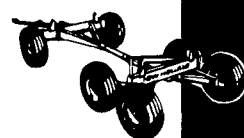
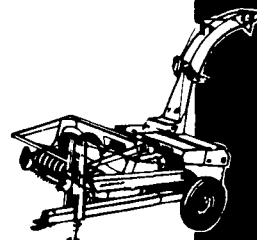
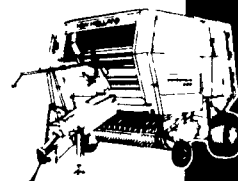
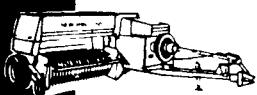
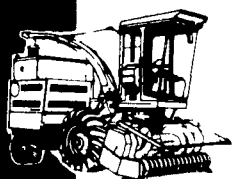
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Md. describes firewood law

ANNAPOLIS, Md. — Marylanders who plan to use wood for heating their homes this winter would do well to familiarize themselves with the Maryland Department of Agriculture's (MDA) Weights and Measures Law which regulates the sale of this item.

The most widely recognized and generally used measurement for firewood is the "cord." A cord is precisely defined in the Maryland law as "the amount of wood which is contained in a space of 128 cubic feet, when the wood is ranked and well stowed. "Ranked and well stowed" means when pieces of wood are placed in a line or row, with individual pieces touching and parallel to each other and stacked in a compact manner." Cubic feet is calculated by multiplying the width of the stack by its height by its length.

In Maryland wood sold for use as fuel can only be advertised, offered for sale, and sold by measure using the term "cord," and fractional parts of a cord, except that, wood

for use as fuel and offered for sale in package form will display a combination quantity in terms of weight and cubic feet to include fractions of cubic feet. Such terms as "face cord," "rack," "pile," "truckload," or terms of similar import should immediately arouse customer suspicions. They are all illegal under the Maryland law.

When accepting bulk deliveries of firewood be sure that a delivery ticket is obtained. If the deliveryman doesn't offer one, ask for it. Otherwise, you may never be able to obtain satisfaction should question arise concerning the sale once the delivery is made. The law requires that all bulk deliveries shall be accompanied by a serially

numbered delivery ticket containing, among other information, the vendor's name and address, signature of person determining the quantity of wood delivered and the license number or other numbers and letters that identify the vehicle by which the wood is transported.

Use as much caution and common sense in purchasing firewood as you would for any other consumer item. But, if in spite of your best effort, you feel some unscrupulous firewood dealer has taken advantage of you, call MDA's Weights and Measures Office at (301) 841-5790 in Annapolis.

York Co. 4-H Rabbit Club

The York Co. 4-H Rabbit Club met recently for an election of officers. The results were: Julie Godfrey, president; Hillary

Fahey, vice president; Kendra Hanson, secretary; Crissy Hoskins, treasurer; Julie Eisenhart, news reporter; John Godfrey, historian.

4-H'ers Plan Bazaar

NORRISTOWN — Do you need to get some unique last minute holiday gifts. How about raising some cash for the holidays? Do you have any seasonal crafts for sale?

If the answer to any of these questions is "yes" then come to the Holiday Bazaar and Flea Market to be held Dec. 10th from 9 a.m. to 3 p.m. at the Montgomery County 4-H Center in Lansdale.

The event is sponsored by the Montgomery County 4-H Exchange Club. Tables are available at \$10 a piece. For more information and to reserve a table, call Mrs. Dot Jones at 495-6102.

The 4-H Center is located on Snyder Road off Route 363 between Summeytown Pike and Allentown Road, near Lansdale. The public is invited.

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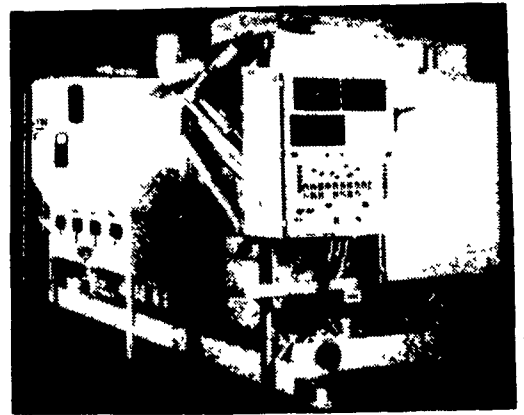


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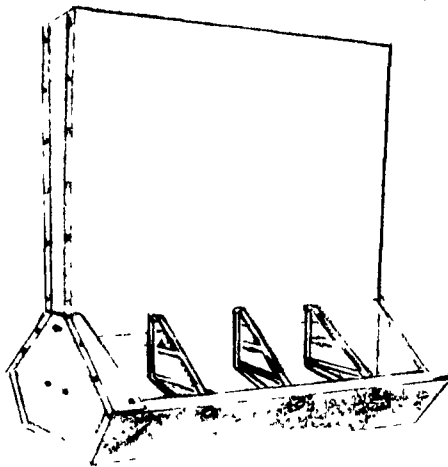
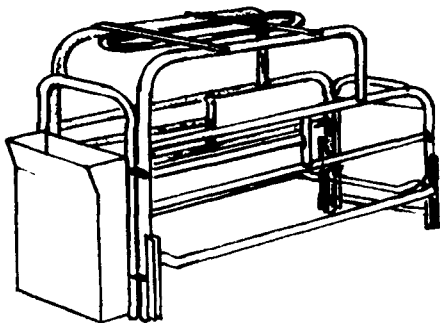
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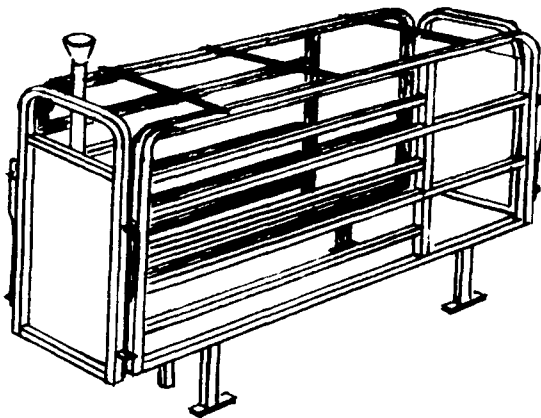
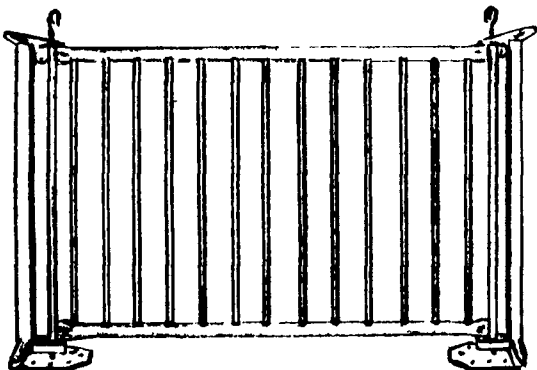
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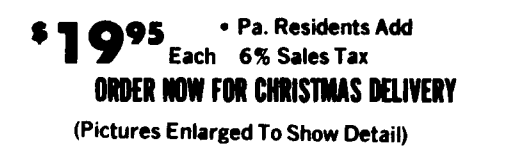
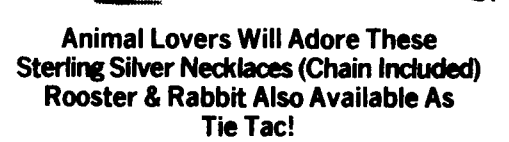
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Gypsy Moth Damage Researched

STATE COLLEGE — Research being done at Penn State now could help forest managers decide when to harvest trees defoliated by gypsy moths, says Robert C. Baldwin, Penn State assistant professor of wood science and technology.

In his research, Baldwin will look at the specific chemical and physical properties of trees defoliated by gypsy moths and how much damage has been done to the tree.

This research follows the work done by Peter Labosky, Penn State associate professor of wood science and technology. His research examined red and white oaks dead less than one year, trees dead two to four years and oaks dead over five years and determined their lumber yield and quality.

For red and white oaks, the lumber recovery factor decreased as the time of death increased, Labosky says. For red oaks dead over two years, a decrease in high

grade lumber recovery was also found.

For white oaks, the difference in quality of lumber was small and Labosky attributes this to general low quality of the white oak trees harvested in the study.

From his research, Labosky recommends stands containing dead oak trees be harvested within one year after death to minimize lumber production and grade losses.

Baldwin also says the dead trees will probably have to be harvested rapidly, but he will not be sure how rapidly until his research is completed.

"After the wood begins to deteriorate, it will eventually reach a point where it is economically valueless," he says. He will look at the different uses for the wood and try to decide how long the trees can remain standing before they lose their value.

Along with the U.S. Forest Service and the Pennsylvania Bureau of Forestry, Baldwin has selected an area that was heavily defoliated and chose 120 trees to observe over the next five years.

He says he will study how long the trees can be left standing and still be used for veneer and saw logs, how long after that point they can still be used for pulp and

particleboard and then finally how long after death they still can be used for firewood.

Baldwin says he hopes this research will allow the forest manager to make the best economical decision possible with deciding to harvest trees. He hopes to learn how long a manager can leave the trees and still make money from the wood.

Like Labosky, Baldwin is also studying red oak trees because about 2.5 million acres of prime oak forest has been infested by the moths.

The infestation could be devastating in view of the oak supply and other amenities lost, such as parkland and wildlife habitat, he says.

Because of the magnitude of the infestation, if the dead oaks must all be harvested quickly, there could be a tremendous over supply on the market in one year, which could have an adverse effect on the market.

When his study is done, Baldwin says he hopes it will be easier to calculate the value lost if the oaks are all allowed to deteriorate.

The results of the study should also help forest managers make decisions in situations where trees are killed by factors other than gypsy moths.

Cambria capon sale held

EBENSBURG — At the 1983 Cambria County capon roundup the grand champion was shown by Steve Rieg of Chest Springs and bought by McGough Lumber of Dysart for \$18.00 per pound. This was one of three birds bought by McGough Lumber. Reserve Champion sold for \$6.75 to Francis Gatto of Ebensburg and it was shown by Jeff Buksa of Johnstown.

Capons purchased by the Laurel Bank, Kiwanis Club and Rotary Club of Ebensburg were donated to the St. Vincent DePaul Society for distribution to needy families for Thanksgiving dinners. The capon also purchased by The National Bank of The Commonwealth was donated to the local food bank. Carrie and Neil Harteis of the Capon Club donated a capon to the St. Vincent DePaul Society from their project flock.

Wayne Templeton again this year donated his time and talent to the Capon Club and auctioneered the Capon Sale. Carl Harrison presented the Champion and Reserve Champion Trophies donated by Ted Oakes Poultry Inc.

to the winners.

Buyers of capons were: Francis Gatto, Laurel Bank, Joseph Leahey, Rick's Auto Sales, Jerry Hite, Ebensburg Kiwanis Club, Freemont McKenrick, McGough Lumber, Agway-Ebensburg, National Bank of the Commonwealth, Rotary Club-Ebensburg, Joe Nagle of Ebensburg Office Supply and Dr. Philip Evans.

An excellent capon dinner was served by the cafeteria staff at the Central Cambria High School under the supervision of Ethel Risbon.

Herb Jordon, Poultry Specialist, Pennsylvania State University judged the capon show.

Interesting facts about 1983's 4-H Capon Roundup are:

17 Capon Roundup Banquets held in Pennsylvania

27 Counties cooperating
300 4-H members, 100 FFA members, and 5,000 people attend the banquets

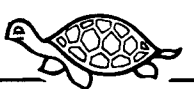
35,000 capons bring in \$500,000 to 4-H & FFA members in Pennsylvania.

Sifting Stitches

Kim DeFlesco joined the Sifting Stitches 4-H Club at their most recent meeting. Club members will hold their Christmas Tea on Dec. 12 at Sara Nering's home in Sergeantsville. Congratulations go to Tracy Arduini and Lori Risko

who received awards at the County Recognition Dinner. Tracy Arduini will give a demonstration at the club's next meeting which will be held on Jan. 10 at Delaware Township School.

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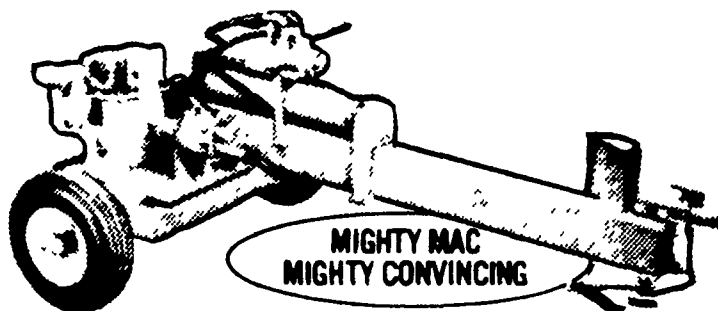
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"Evening Graze"

Photo Contest Winners Named

LANCASTER — Two 4-H'ers were chosen to represent Pennsylvania and Maryland in the 10th Annual 4-H Photo Exhibit, sponsored by Eastman Kodak Company.

Pennsylvania's representative is Mike Welsh, 16, East Berlin. He is the son of James and Emilie Welsh. His photograph is entitled "Evening Graze."

Made up of no more than four pictures from each state, the exhibit was shown for the first time at the annual 4-H Congress in Chicago from Nov. 27 to Dec. 1. Exhibit photos were chosen by the Extension service of each state.



"Elmer Summarizes My 4-H Date Book"

4-H dairy teams post good year

COLLEGE PARK, Md. — For over-all consistency, Maryland 4-H dairy cattle judging team supporters will remember 1983 as one of their most successful years.

The Maryland record of two seconds and a third in regional and national competition surpasses the performance of any other state 4-H delegation on this fall's dairy show circuit, notes J. Lee Majeskie, judging team coach. Majeskie is an Extension herd management specialist and associate professor of dairy science at the University of Maryland.

Maryland's "B" team wound up the 1983 season by finishing third among 15 state 4-H and FFA teams competing on Nov. 15 in the North American invitational youth dairy cattle judging contest at Louisville, Ky.

Earlier this fall, the Maryland "A" team had placed second among 4-H teams from 18 states during the Pennsylvania All-American Dairy Show at Harrisburg. It captured another runnerup spot among teams from 36 states in the national 4-H dairy cattle judging contest, held Oct. 5 at Madison, Wis., in conjunction

with the World Dairy Expo.

At Louisville, the Maryland "B" team placed first in Ayrshire breed judging and fourth in three other categories on the way to its third-place over-all finish.

Kevin Mellott, 19, of Williamsport, Md. led the Maryland team in the official standings by placing fifth among all contestants. Mellott was third in Guernsey breed judging and sixth in Holsteins.

Kevin Smith, 19, of Jefferson, Md. finished second in the reasons category, and he was among the top 10 in Jersey, Brown Swiss and Ayrshire judging. But he slipped to eleventh in the over-all standings.

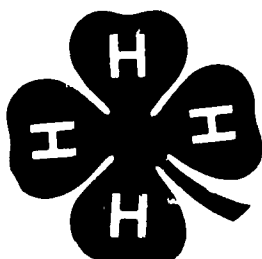
Jimmy Kimbles, 18, of Centerville, Md. finished among the top 10 individuals in Brown Swiss and Ayrshire breed judging.

But the unsung star performer for Maryland at the Louisville contest was Kenneth King, 17, of Church Hill, Md. As a designated alternate, King's score did not count in the official team scoring. He did have the highest number of points among all alternate team members in the contest.

In other mid-November youth

competition at Louisville, the Maryland 4-H dairy bowl team finished fifth among 15 state teams in a knowledge contest. Representing Maryland was the 1983 state champion senior 4-H dairy bowl team from Frederick County.

Members of that team were Dennis Long, 17, of Thurmont, Md.; Shary Moxley, 17, of Libertytown, Md.; Deborah Osburn, 17, of Keymar, Md.; Angie Offutt, 15, of Johnsville, Md. and William J. Allen III, 17, of Jefferson, Md. John E. Williams, Jr., of Johnsville, Md. a dairy farmer, was the team coach.



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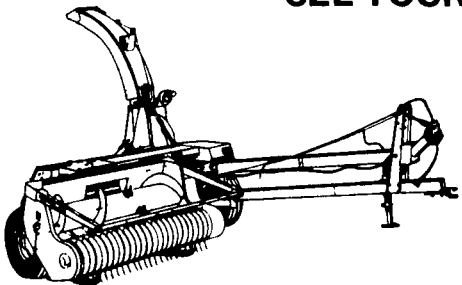
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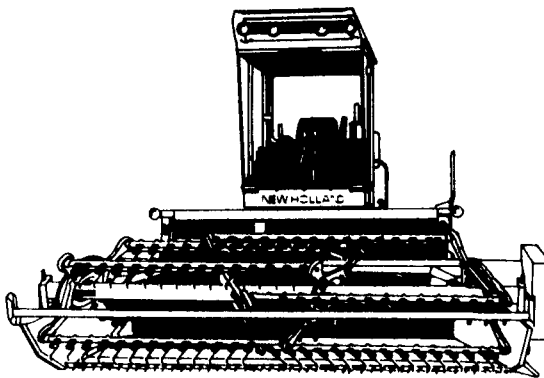
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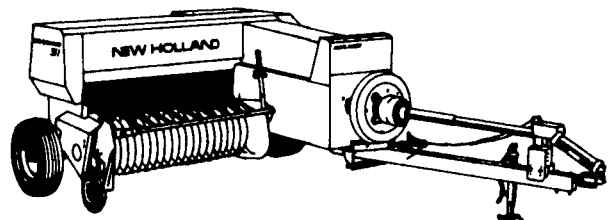


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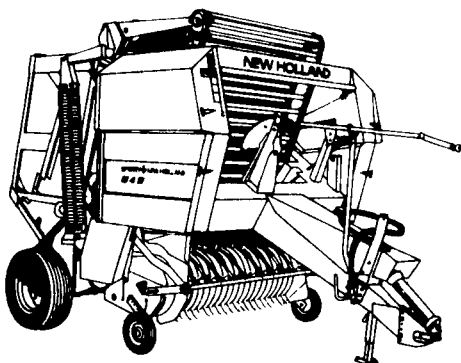
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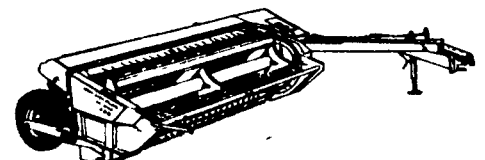
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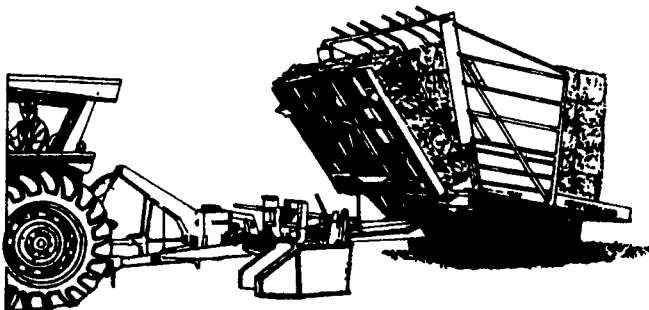
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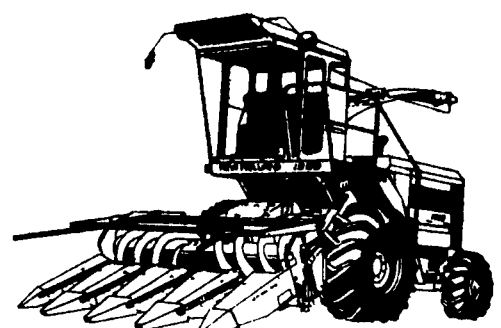
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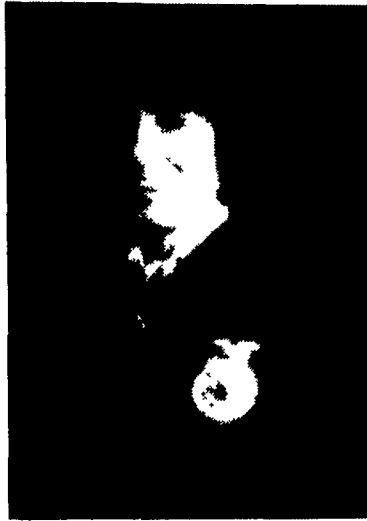
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N.J. FFA'er wins regional award

SHILOH, N.J. — Tracy S. Hitchner, of Shiloh, represented Cumberland Regional High School, Seabrook, N.J., and the Eastern Region as a National FFA Proficiency Winner in the area of Agricultural Sales and Service at the National FFA Convention in Kansas City, Mo.

She began working in her family-owned business when she was 12 years old. She waited on customers and learned about flower arrangement. Over the next five years, she began handling more responsibilities by making centerpieces, as well as wedding and funeral floral arrangements. She also began waiting on customers and taking phone orders.

She learned greenhouse skills which enabled her to start her own projects, including growing and caring for poinsettias, mums, lilies, bedding plants, and terrariums. Some of the skills she



Tracy Hitchner

developed included snowing, mixing seeds, watering and fertilizing plants, checking for insect pests and dealing with disease problems.

She also learned many marketing techniques, such as buying and selling plants, using the newspaper and the local radio station, and running her own ads.

As an FFA member at Cumberland Regional High School, Hitchner was chapter president for two years and helped the chapter achieve many state and national awards. Examples include second place in the state BOAC and Safety Awards Program for three years and national bronze awards.

Hitchner has also won many individual awards. She has received the Star Greenhand Award, Chapter Star Agribusinessperson Award, Garden State Farmer Degree, and the New Jersey Star State Farmer Award. She recently competed at Springfield, Massachusetts in the Star State Regional Pageant. She has been to the National FFA Convention in Kansas City twice and she attended this year as a regional finalist for the National Agricultural Sales and Service Proficiency Award.

Md. 4-H poultry

team places 9th

COLLEGE PARK, Md. — Maryland's delegation placed ninth among 22 state teams in the judging section of the recent National 4-H Poultry and Egg Conference at Louisville, Ky.

In divisional competition, the Maryland 4-H team was second in evaluating ready-to-cook poultry carcass classes and fifth in market egg judging. This performance was slightly better than the Maryland teams of either 1981 or 1982, which ranked fifth and fifteenth, respectively, in national competition.

Chris Brady, 15, of Montgomery Village, Md. tied for tenth among 84 individual contestants in production hen judging. His brother, Steve Brady, now 19, was second in this category, while competing for the Maryland 4-H team which placed fifth in the 1981 national contest.

Other members of this year's Maryland 4-H poultry and egg

judging team — all 15-year-olds — were Kathy Johnson, of Montgomery Village, John Wabeck, of Salisbury, Md. and Jennifer Otto, of Glen Arm, Md.

An Anne Arundel county resident, Jodi Jones, 17, of Severn, was Maryland's representative in the national 4-H egg preparation and demonstration contest. Jodi placed fifth among 16 contestants, the highest placing ever achieved in this event by a Maryland 4-H member.

Coaching the Maryland 4-H poultry judging team again this year was Charles J. Wabeck, of Salisbury, Md. associate professor of poultry science and Extension food science specialist for the University of Maryland. Chaperone for the group was Julie M. Horner, also of Salisbury, a 4-H and youth agent in Somerset county for the University of Maryland's Cooperative Extension Service.

Wool/lamb deadline

YORK — Producers who sold wool and/or lambs during the 1983 marketing year should file for an incentive apyment in the wool program at the York County ASCS Office. Final date to enroll in this program is Jan. 31, 1984.

The York County ASCS Office is located at 120 Pleasant Acres Road. Receipts for wool and/or lambs sold, complete with signature of buyer are required.

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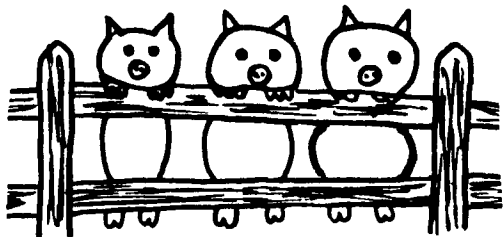
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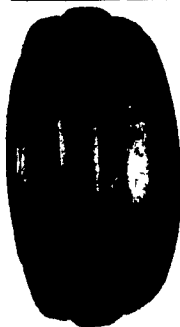
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Eastern Pa. 4-H champs

43rd EASTERN PENNSYLVANIA
4-H
LIVESTOCK SHOW ... 1983



Grand champion steer of the Eastern Pa. 4-H Beef Show is owned by Andy Wagner, of Northampton County. Unable to be present since his soccer team at Freedom High School was seeking the state title, Andy passed showing duties to Lori Cesanek. A previous winner in the steer show, Andy also had top placings in the sheep show.

4-H
LIVESTOCK SHOW ... 1983



Seth Gruber, of New Tripoli, had the reserve champion in the Eastern Pa. 4-H Beef Show. Judge for the show was Chet Hughes, Lancaster County livestock agent.

Red Rose FFA banquet held

KINZERS — The Lancaster County Red Rose FFA recently held its first honors banquet at the Kinzers Fire Hall.

The banquet is designed to better familiarize area supporting agribusiness with the FFA and its programs.

Following the opening ceremonies by county officers, Tim Pfautz, master of ceremonies, delivered the welcoming address. Joe Rohrer gave the invocation.

Scott Bailey introduced special guests, including attending state

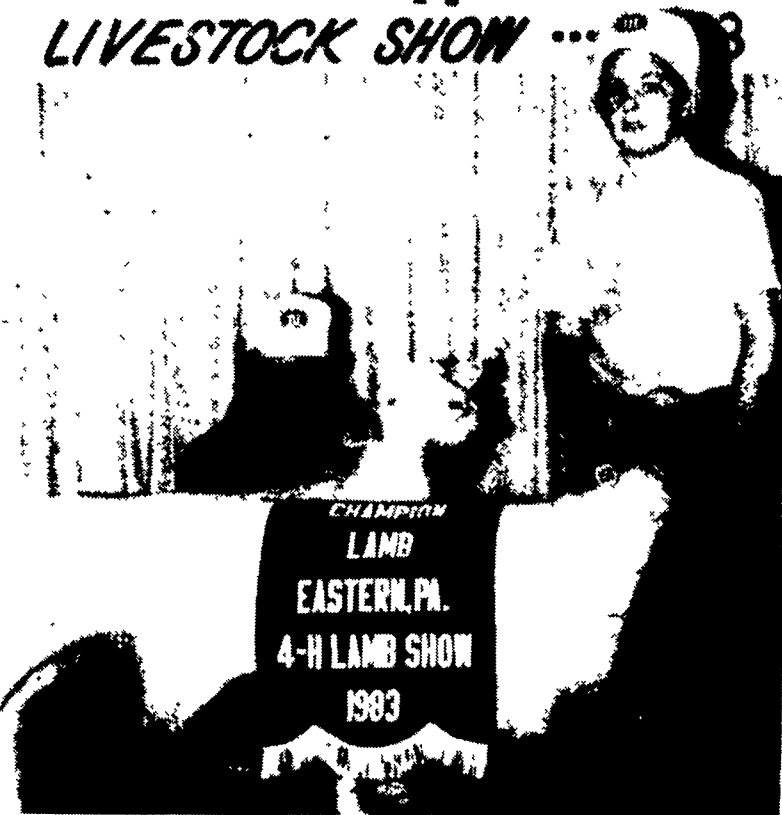
officers. Clair Witwer, advisor for the Pequea Valley Chapter, introduced the agribusiness leaders.

Kevin Moyer and Jamie Frey recognized creed and quiz contest winners. Dick Yencer, advisor at Lampeter-Strasburg, and local sponsors presented upperclass dairy and livestock awards.

Jim Cowden, advisor at Manheim, presented the Red Rose Star Farmer and Red Rose Agribusiness Awards. Recognition of four American Farmers and three state proficiency winners followed. Numerous state contest winners were also cited.

Honorary Red Rose Degrees were conferred by chapter presidents and county officers presented the countywide Red Rose degrees. Closing ceremonies were conducted by county officers.

43rd EASTERN PENNSYLVANIA
4-H
LIVESTOCK SHOW ... 1983



Nine-year-old Dwaine Schultz, standing, holds the grand champion of the Eastern Pa. 4-H Lamb Show. A Suffolk crossed with a Shropshire, the grand champion had a full brother that was shown by older brother, David, in background, to last year's grand championship. This year, David had a class second. This was the third straight year that a Schultz lamb took the top prize at Allentown. The winners come out of the 85-ewe flock of David and Gale Schultz, R1 Narareth.

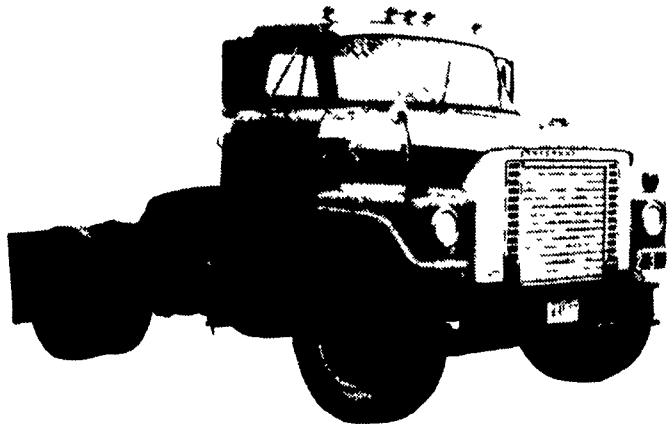
4-H Dog Club

P.A.W.S. 4-H Dog club members extended their welcome greetings to a new club co-leader, Debbie McLean, Readington. Six new members have also joined the group: Roxanne Sevchuk, Kimberly Whitmer, Britta Svard, Michelle Moore, Melissa Snyder & Julie Tatsch.

A 10-week dog obedience course was just completed at the Extension Center by club members. Their dog club graduation was held recently. Gail Glasshoff was the trainer and Hedy Lindbloom acted as judge for the Graduation Dog Show. First place went to Debbie Stockman. Sara St. John placed second in the Novice Class. Placings in the Sub-Novice class were: Julia Tatsch, first; Cheryl Bell, second; Kimberly Whitmer, third.

Dec. 8th is the date for their next meeting. Awards for 1983 and elections of officers are the main items on the agenda. Parents are invited to attend.

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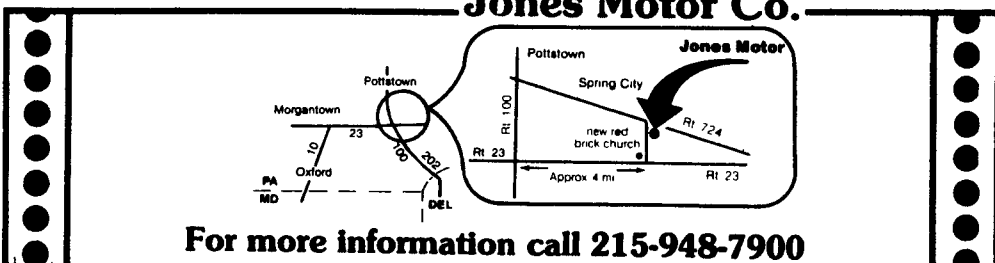


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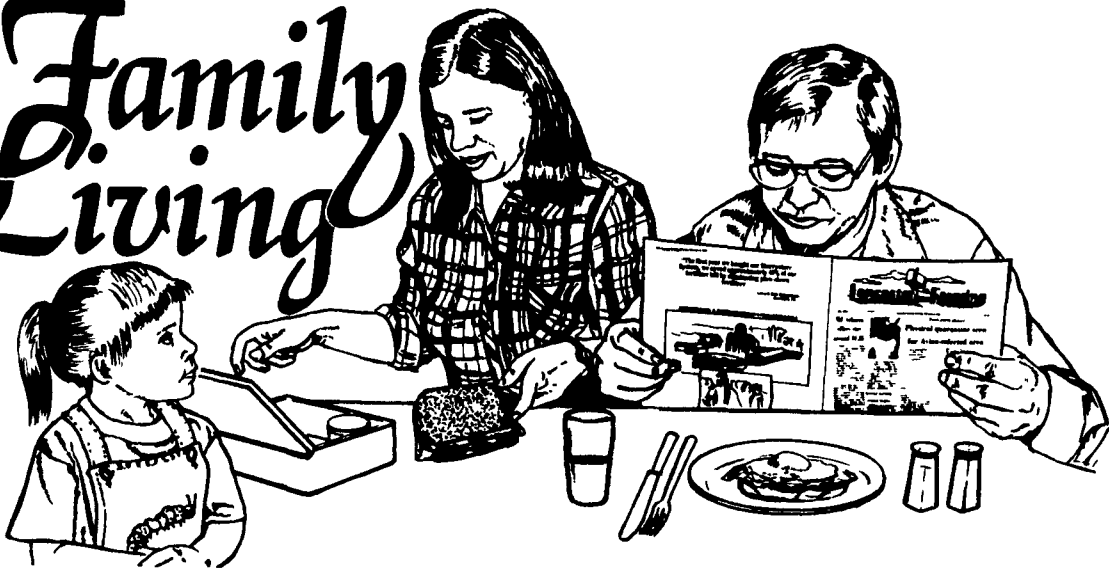
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Family Living



Joyce and Art Hershey moved to this Chester County farm in 1965. Joyce did not grow up on a farm, but Art did, and it was his dream to own a farm of his own.

Farm Families: Do They Differ from Other Families?

BY KIMBERLY HERR
COCHRANVILLE — In all families there are strengths and weaknesses, tensions and joys, situations that cause stress and ways of relieving it. But are these factors different in farm families? Are the family ties stronger? Is the stress greater?

"I think stress is really a problem in farm families today, because we are pulled in so many directions," said Joyce Hershey, wife of State Representative Art Hershey and co-owner of Ar-Joy Farms, Cochransville.

For example, Joyce, who is the mother of four children, explained that farm families want their children to be active in school, but there are so many chores to be done on the farm.

Is there a solution?

Joyce thinks there is.

She explained how her two sons were allowed to participate in school sports, but only two per year. "We tried to help them to fill in for each other so the other person could take off," Joyce said.

She explained that both of her boys were involved in Little League, but they had to understand that she and her husband could not always be there, since they had to be home milking, making it possible for the boys to be away from the farm.

"Communication is the big key and I think that is where a lot of us are too busy to really sit and talk about things," Joyce said.

Joyce was the guest speaker at this summer's Holstein Field Day,

held at J. Mowery Frey's Fultonway Farm. During that event, she spoke on stress and the farm family and the positive things that can be done to deal with it. She repeated them during a recent interview.

"We need to remove attitudes and emotions that sometimes bog us down. We need to respond by learning and using techniques to help reduce harmful effects of stress when the stress cycle gets

(Turn to Page B 22)

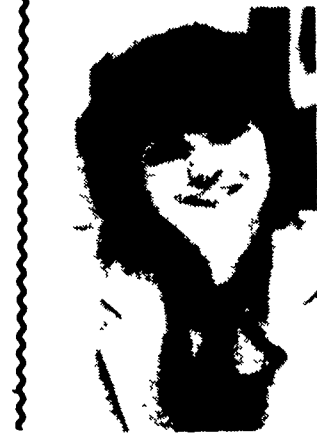


Joyce Hershey, co-owner of Ar-Joy Farms in Cochransville, Chester County, expressed her views on the strengths and possible problems in farm families.

BACK HOME

By Michelle S. Rodgers

Lancaster Extension
Home Economist



Down with Being Uptight

"I'm not uptight!", I screamed three decibals louder than normal conversational level. "I'm just having a normal day; it's almost midnight and I have dishes to wash, a dead battery in my car and a workshop to prepare before tomorrow arrives!" Do you ever have this kind of a day?

Call it whatever you like...uptight, upset, out of sorts, nervous or tense — it all means the same thing...stress! From what I hear in the shopping malls, in the bank, at the office, and at home, many of us have come down with a common case of stress overload. And if someone asks me to pinpoint where I feel it the most, my response is that it's all over. Sometimes my head pounds, my eyes burn, muscles knot, my stomach revolts and my ankles ache all at the same time. Different situations bring on different symptoms.

Many of us experience stress everyday — even if nothing particularly bad happens to us. Stress is a physical or emotional reaction to an event or situation, and by the way, it's not always bad! There is positive stress and negative stress. For example, your promotion, the birth of a long-wanted baby, or the vacation of your dreams all are positive kinds of stress. Positive stress gets our adrenalin moving and produces energy. On the other side of the matter, negative stress drains us of energy. The avian influenza virus that has hit our area has not only affected the chickens, it has caused negative stress pile-up to many lives. Many people today — on or off of the farm face financial difficulties, loss of a job, or health problems. Just having the cows break out of the meadow at 4 a.m. can be

stressful. For me, looking at my Christmas shopping list causes my palms to sweat and my head to spin.

One thing about stress is that we can all relate to it; farm and non-farm families, holidays or dull winter days; it still exists. Stress is a "natural" characteristic of life...both the pleasant and unpleasant types.

Whatever type of stress we have, the key is being able to deal with it. Stress may be best illustrated as an electrical system. As the level of stress goes up, the circuits overload, we burn out and become non-functional.

Although every person has to work out their own method of preventing stress overload, here are a few ideas I've been able to collect.

First, know when you're under stress and admit it to yourself and to those around you. There is an old comic strip that features the man being corrected by the boss. The following frames in turn depict the man criticizing his wife's dinner, the woman in turn yelling at the child, and the child angrily pulling the cat's tail. Sometimes, just saying that we're dealing with stress let's off some pressure and helps our family to draw strength and support from each other and stop the domino effects of stress.

Secondly, try to identify the cause of the stress — called the stressor. It might not be a specific event, it may be how we perceive or react to a situation. My common lament is, "If I just had a few more hours in the day!" But even if I was granted a 30 hour day it probably wouldn't help. The real cause of stress is not the hours in the day (that, I can't change) but

(Turn to Page B22)

Buy Toys to Suit the Child

LANCASTER — Why are some tinsel time toys big hits while others are bigger losers? Part of the answer lies with the child, the other with the toy, says A. Joan Lamberson, Extension home economist.

Each child is unique, with individual likes and dislikes, interests and abilities. Before buying a toy, match the gift with the child's level of development. For example, most two-year-olds have little appreciation for a doll that eats and wets. A stuffed doll that can be cuddled and squashed is often more appropriate. On the other hand, a four-year-old who has mastered the giant slide at the park will not be excited by a small indoor version. A toy should offer the child some challenge without being so advanced it takes months before the youngster can use it.

Observe the child at play. Is the youngster fascinated by make-believe, ready for a board game, excited by a ball? Determine each child's development, and do not be misled by suggested ages printed

on packaging. These are intended only as a guide. Parents must ultimately choose the toy suited to their children's needs.

When choosing toys, make sure the purchase will be safe for the child who receives it. A good toy is well constructed, built to withstand many months of child play. Before buying, check for flaws in toy design. Will parts come off or break easily? Is the toy strong enough to last? Are there many small pieces likely to be lost?

Also, be careful of buying fad toys. Items publicized by hard-sell television ads may not be all that they appear. Camera angels and close-ups can be deceiving. Or the fad may quickly pass. Since these items typically cost more, determine if the toy is really worth the price or whether you are paying for the movie name or team emblem.

Buying toys takes thought and planning. Begin early: make wise selections. A few well-planned gifts are far better than a basket full of forgotten toys hiding in some closet.

Kathryn: One Woman's Effort to Continue the Farming Tradition

BY KIMBERLY HERR

REBERSBURG — The back porch of the farmhouse, which has seen many generations, overlooks cattle peacefully grazing in the meadow. Nearby, a stream drifts under a narrow, wooden bridge, and hunters, wearing bright orange caps, travel through the meadow on the way to their favorite hunting spot.

An old building left from when the farm was a saw and grist mill also stands in the meadow, a constant reminder of the farm's history.

And to Kathryn Krape, owner of the farm, it is a constant reminder of her heritage. She was born and raised on the Centre County farm, as was her father.

Kathryn, a woman with rosy cheeks and a gentle smile, and her husband, Bill, farm 210 acres of their 540-acre farm. They also

have 35 milking cows and 35 beef cattle.

Kathryn was busy scrubbing milk cans in the milkhouse when a reporter interrupted her with questions of how she manages to farm such a large area with just her and her husband.

"Well, it keeps you out of mischief," Kathryn said with a soft chuckle.

When she speaks, it is easy to detect a soft Pennsylvania Dutch accent.

"Yes, I'm just a dumb Dutchman," Kathryn laughed. What's that? "Well, it's somebody who doesn't know very much about Dutch."

She may not know a lot about Dutch, but she does know about farming. She does all of the milking alone, does the farm's bookkeeping and helps her husband in the fields.

You might say that farming is in Kathryn's blood, as it has been in her family practically since the time the area was settled. Kathryn's maiden name was Walker and until she married, the farm had always been in that name.

The farm was initially used as a grist and saw mill. That ended in the early 1900s, and the farm became mostly dairy about 1920.

According to Kathryn, the farm was out of her family's hands for about six months. That occurred when her great-great-grandfather died, and the property was sold. Her great-grandfather was on a train headed for Bellefonte when he ran into the new owner of the farm, the new owner offered to sell it back to Kathryn's great-grandfather, he accepted, and the farm was back in the Walker name. (Turn to Page B23)



The Holsteins on Kathryn and Bill Krape's farm mingle peacefully with several Hereford cattle. Norfolk sheep also take up residence at the farm.



To get around quickly on their sprawling farm, Kathryn and Bill depend on their Honda three-wheeler. Their nine-year-old son, Billy, has a smaller one to ride, but, every now and then, Dad lets him ride his. Billy can usually be seen speeding around the farm, but when a rather shaky female visitor was a passenger, he slowed down, providing a scenic view of the farm.



Kathryn Krape's family began farming long before her time. Today, she is continuing that tradition on her Centre County farm, where she is solely responsible for milking 35 cows.

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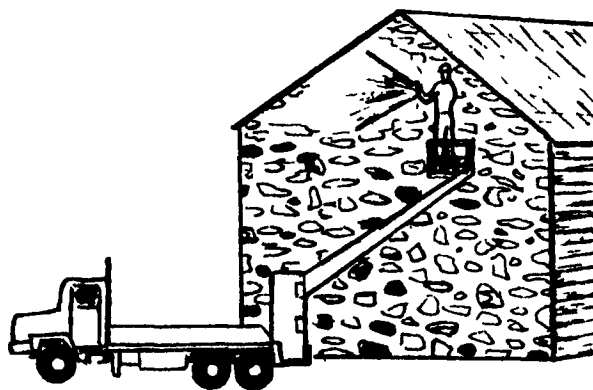
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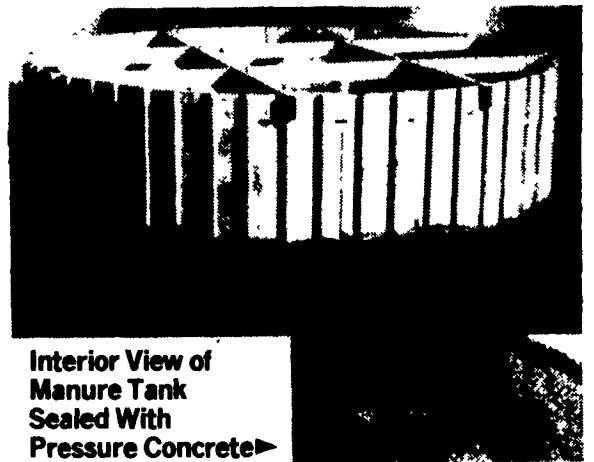
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Farm Families

(Continued from Page B20)

rolling. And we need to revamp our plan of action," Joyce said, explaining that it is necessary to find positive ways of dealing with problems.

"We need to revamp our lives to better face the future," she said.

Joyce explained that her family is currently in a transition period. Since her husband was elected to office, her oldest son, Duane, has taken over much of the physical work on their dairy farm, and her son, Brad, comes home from Delaware Valley College about

every other weekend to help out. Her oldest daughter, Beverly, is married and has moved off the farm, but her youngest child, Julie, age 13, is helpful in feeding and taking care of the calves after school.

The Hersheys originally owned a 128-acre farm. They later bought 42 adjoining acres, and then Art's father's farm, consisting of 130 acres. They have 50 Holstein milking cows and 50 calves and heifers on their Chester County farms.

Joyce was not raised on a farm.

Her father sold farm machinery in the Gap area of Lancaster County. She was able to contrast her family life as a child with that of her present life as a member of a farm family.

"The children in a farm family are very well acquainted with what their parents are doing and what their priorities are, and they have to take responsibility at a young age," Joyce said, pointing out, however, that all families, farm or non-farm, are different, and "we can't say that they are all alike."

"I just feel that children from farm families have learned to accept responsibility and to work together," she said. "Of course, that can happen in other homes too."

But on the flip side of that strength is a potential drawback.

"Sometimes we've expected too much of our children," Joyce said. "We need to allow them their own choices."

However, according to Joyce, another change has occurred which has given the children of farm families more of a chance to make their own choices.

"We (farmers) are not as self-sufficient as they were in the past. We are much more dependent," she said.

"I think that's good," Joyce continued. "That gives our children more choices, a broader understanding of people."

Since it is often difficult for farmers, especially dairy farmers,

to take vacations, Joyce and Art have been active in programs that bring guests from foreign countries into their home.

"I feel that was a real education for them (the children)," Joyce said. "It's important not to just limit your life to other farmers."

"It is confining," Joyce said of farm life. "But it's a good life. It's a nice place to raise children."

Of her husband's new career and the changes it has made in the family, Joyce said, "We discuss lots of things. We bat things back and forth. We've always made decisions like that on the farm. It's always been a two-way thing. That's why I miss him so much because I'm used to having him here all the time."

Down with Being Uptight

(Continued from Page B20)

how much I expect of myself to get done in 24 hours. Many times I have set unrealistic expectations. I am a good one for making long lists of things to do and being frustrated over not completing it. Instead of rationalizing that God didn't create long enough days, I need to identify areas I can take hold of and change to reduce stress, like making shorter lists and setting priorities.

Finally, deal with stress. You can know that you are under stress, you can identify the cause, but ignoring stress will not eliminate it. One co-worker shared with me this thought, "Many times we cannot control the situation or event but the only true control we have is of ourselves."

So we do need to deal with stress and each of us needs to do that in our own individual way. Some people find it helpful to slam doors, scream for two minutes or go for a walk. Try working off stress through recreational activities. Recreation has been defined as the crazy things people do to keep from going crazy. Take some time to do the things you enjoy.

Talking about your worries with someone may be another solution. Talking with someone you trust can sometimes help to see a new

side to the problem which may lead to a solution. I have found that I deal better with stressful situations after a good night of sleep. So, do whatever works best for you.

It is possible that just reading about stress caused you a little stress in itself by reminding you of stressful things in your life. But I hope you will be challenged to face and control stress as well. In effect, learning to face one stressful situation and handle it properly, strengthens you and makes it easier for you to meet and control the next one.

We can't live without stress, and we wouldn't want to. All of us want the excitement of trying something new — at least now and then; the challenge of doing a different job; the strength to face unhappy, frightening or even tragic events that come to almost all of us. I'm sure that you are looking forward to the excitement (and some stress) that comes with the holidays. By the way, Christmas preparations rank 12 points on a scale of 100 in stress management studies. Here's hoping some of these thoughts will work for all of us to make a happier and healthier family during the hectic holiday season!



Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

Tax-Planning-Phase II

Once you have a tax estimate, you have a number of alternatives. You can:

1. Decide it is acceptable, so do nothing.
2. Decide it is acceptable and begin to save money so you can pay it by March 1st (don't forget Social Security taxes).
3. Realize that you have no taxable income, so do nothing.
4. Realize that it is minus, and decide to not waste all that tax-free income, so shift 1983 expenses to 1984, or 1984 income back to 1983.
5. Decide it is too high, so you need to make adjustments.

What Adjustments

In the previous column I discussed some tax deferment methods. Now, let us look at several alternatives:

1. Panic and go out and buy a \$20,000 tractor to give you \$1600 of investment credit (we will discuss the tax law change on this later), plus an income reduction of \$3000.
2. Purchase \$20,000 of fertilizer and chemicals for 1984 in 1983, which gives you a taxable income reduction of \$20,000 (it may also mean a healthy discount).
3. Pay off all 1983 bills even if you have to borrow money. Each 1000 dollars will reduce taxable income by 1000 dollars, but may cost as much as \$140 in extra interest.
4. Pay your children - they can make up to \$3300 before paying a Federal tax (they will have state tax due).
5. Give hired help a year-end

bonus, or pay their hospitalization insurance.

6. Pay all of the 1983 FICA taxes on your hired help before Dec. 31st.

7. Hold off on sales of produce if you can.

8. Open up an IRA.

9. Borrow to buy fertilizer now, then sell PIK corn after January 1st to pay off loan.

What Else?

In the uncertain financial economy we face for at least the next 2 to 3 years, don't go overboard. After all, very few of you who read this column have taxable incomes over \$100,000. Even at that level, the total tax bite is less than 50 percent. At 150,000 it is about 44 percent (federal, state, and local income tax, plus social security). At a more near average net

taxable farm income of 16 to 20,000, the total tax bite is less than 25%. So don't go overboard buying ahead only to find yourself strapped for cash later.

Some people are disappointed that their tax strategy fails to work. It is usually because they had no idea of the tax consequences they faced. Or it could be because of the alternative minimum tax. This nasty little beast says if you had a certain amount of income (over \$40,000) which included long-term capital gains, you will have to pay a tax regardless of how much investment credit you have or how much income averaging reduces your regular tax. Those who may run up against the alternative minimum tax have very few things they can do to avoid it. For really large sales, they could use installment sales. They could spend very heavily and show a farm loss, but the cost of doing that is quite high. Each 100 dollars spent only saves \$200 worth of total tax. The usual alternative is to recognize that it will be there and so 20% of the gain on a capital sale should be put into the bank to pay the tax.

Scissor Wizards 4-H Club

Members in the Scissor Wizards 4-H Club participated in the County 4-H Recognition Dinner held

recently in the Three Bridges Reformed Church. They helped prepare and serve the dinner. Congratulations go to the club

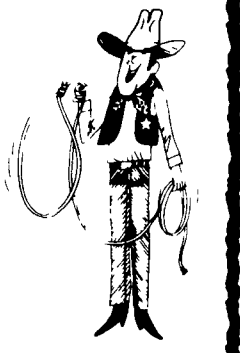
award winners: Christina LaFerrera, Karen, Craig & Stewart Parsons; and Jennifer Monahan. Sara Monahan accepted the club's awards for scrapbook

contest entry and participation in the County Medals Judging.

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Farming Tradition

(Continued from Page B21)

Although death caused the family to lose the farm once, that was not the case when Kathryn's own father died. She stayed on the farm, managing it alone, before marrying Bill. And, even now, her days begin early and end late.

She's usually up about 5 a.m. when she begins milking the 35 cows in a stanchion barn, which dates back to the early 1800s, using a dumping station. Then she's off to fix breakfast for her husband and her nine-year-old son, Billy. After that, she goes back to the barn to work, and her husband is off to the fields, where Kathryn joins him after her barn work is finished. At 5 p.m., she's back in the barn for milking and then she fixes dinner. And it seems as if there are always friends stopping by for a chat or a bit of advice.

Kathryn explained that when she and Bill were first married, he wanted her to sell the cows since it would be just the two of them. But it was too expensive to get rid of them, according to Kathryn.

Kathryn's Holstein herd averages about 1200 pounds per

day, and she ships the milk with Northeastern Dairy Cooperative (NEDCO).

Kathryn has always been a farmer, while Bill became a farmer after marrying Kathryn. Prior to that, he had been a barber.

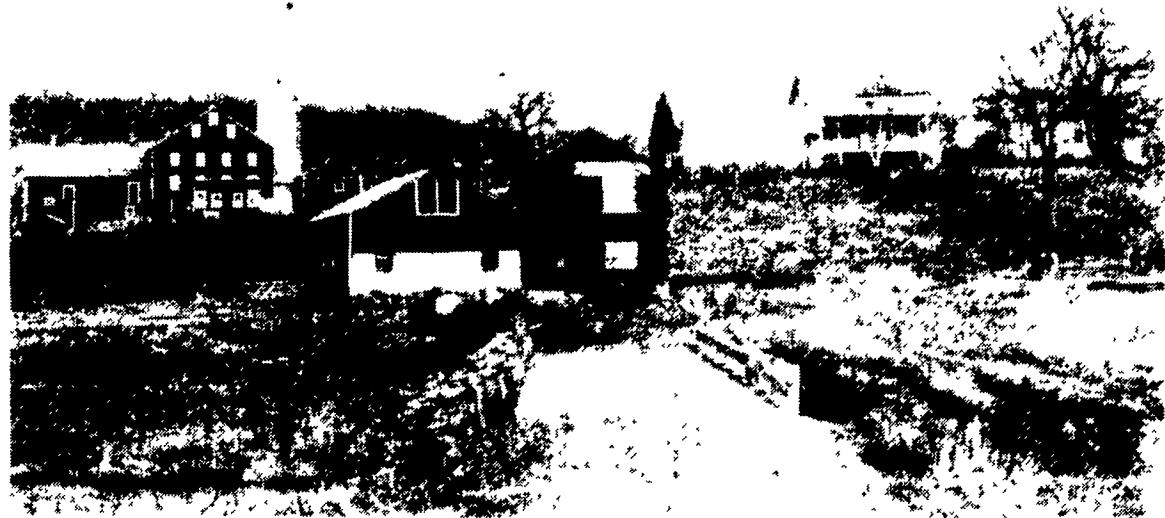
"He doesn't know what a cow looks like just about," Kathryn said with a laugh, explaining that Bill spends most of the time working in the fields.

They raise corn, oats and alfalfa, and all of it is used for feed. They also raise a few Norfolk sheep "just to have them around," according to Kathryn.

The sheep are a favorite of Billy's, Kathryn and Bill's son.

"He's starting now to help," Kathryn said. "He feeds the calves. He's very much an animal lover."

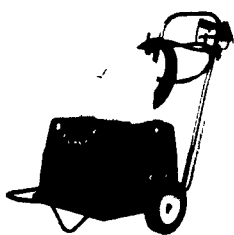
Kathryn's hoping that Billy will take to farming as she did. Kathryn frequently used the phrase "wonderful nice," and one gets the feeling that to Kathryn, it would be "wonderful nice" if Billy took over the farm and family's farming tradition.



The sight of the Krape farm is a welcome one to many of their friends, not only for the friendship offered there, but also for the beautiful land which is often used for picnics and long walks. And this time of year, hunters cross the narrow wooden bridge and head for the woods to try their luck in deer season.

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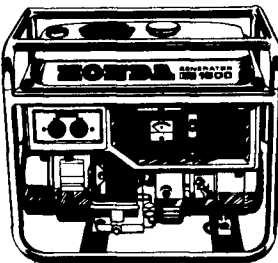
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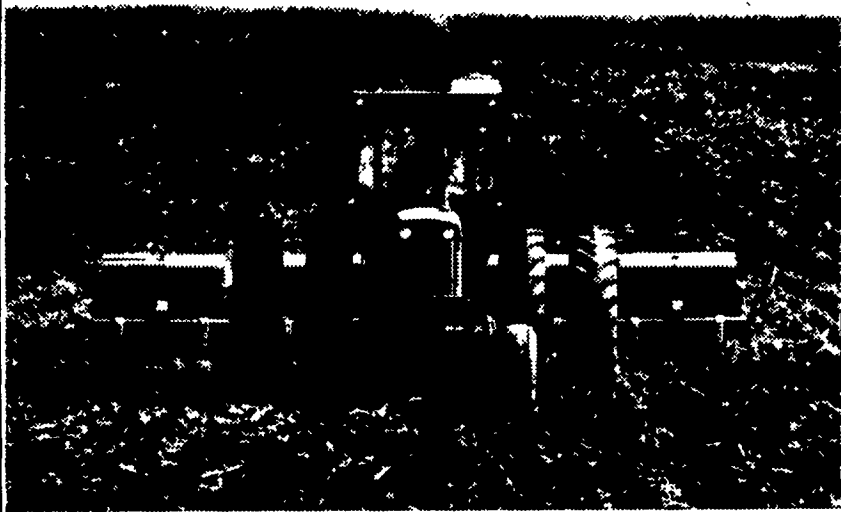
4-H Rabbit Club

The Lebanon County 4-H Rabbit Club met recently and elected officers. Results were: Jon Boyer, president; Paul Bucher, vice president; Stephanie Wolfe, secretary; Peter Dohner, treasurer; Esther Brown, news

reporter; Scott Shidel and Laura Dohner, game and song leaders.

The next meeting will be Dec. 6 at 7 p.m. in Room 11 of the Extension Office. All members are asked to bring a gift to be exchanged.

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4-H'ers Respond to Nationwide Survey

CHICAGO, Ill. — Environmental protection and world hunger rank equally with Soviet aggression as the most important international issues today in the opinion of teenage delegates to the 62nd National 4-H Congress at the Conrad Hilton Hotel.

The 1,600 4-H members from across the nation were polled on international, domestic and personal affairs in a survey conducted in October by the Institute for Communications Research, Rockville, Md. The survey was sponsored by National 4-H Council which arranges National 4-H Congress in support of the 4-H program of the Cooperative Extension Service.

Congress delegates, ranging in age from 15 to 19, are selected for outstanding achievement in more than 40 4-H project areas. Their attendance at the five-day Congress, Nov. 27-Dec. 1, plus scholarships totaling \$262,400 for more than 280 national winners are provided by private sector corporations.

Results of the survey, based on a random sampling of 500, show the economy and quality of education as top domestic issues for 82 percent of the respondents. Other issues ranked high were employment opportunities, the environment and relations with people. More than 80 percent thought social security funds would be insufficient by the time they retire.

On personal affairs, delegates were asked if they had been offered the opportunity to obtain alcohol and drugs. Forty percent said yes, alcohol only; 20 percent, both alcohol and marijuana; and 19 percent alcohol, hard drugs and marijuana. Drinking was cited as a problem among their peers by 70 percent as contrasted with drug abuse as a problem by 48 percent.

Only 14 percent feel pressured to have pre-marital sex and most feel sex education is best handled at home, 45 percent, or at school, 44.4 percent, rather than at church or through groups such as 4-H.

Although these teenagers listen to radio more than they watch TV or read newspapers and magazines, more than half considered TV their most reliable source of news. Newspapers were cited by 23 percent and radio by 20 percent. TV viewing occupies less than one and one-half hours of weekday time for 61 percent, while 85 percent report spending less than one hour per day reading daily newspapers or magazines. Nearly half listen to radio from two or more than three hours per day.

On other issues, 65 percent feel the United States should sell agricultural commodities to the Soviet Union and other communist bloc countries. Nearly 60 percent feel that agricultural production should be subsidized by the federal government. Among steps recommended for improvement of international relations, delegates rank arms control first, with people exchanges and increased trade also receiving strong support.

More than half think the U.S. should not be involved in Central American politics. Those who approve of involvement selected economic aid and military advisors as the preferable manner of involvement.

Asked about meeting U.S. military manpower needs, more than 76 percent ranked volunteer service as first, while the draft and obligatory two-year service each were ranked first by 13 percent; 2.1 percent ranked no service as priority. Nearly 60 percent would not include women in the draft. The equal rights amendment is favored by 57 percent.

Politically, 38 percent would register Republican, as compared with 27.7 percent Democrat and 17 percent Independent. Most others did not know. Greatest influence on political opinions are parents, 47 percent, with news media ranking second at 26 percent. Church was least influential with only 1.6 percent. Most delegates plan to register and vote and 10 percent plan to work for a political candidate.

The work ethic is strong among both delegates and their parents. Seventy percent report they work for extra spending money and 60 percent said their mother contributes to the family income. 4-H projects contribute to family income for 33 percent. More than half of the teenagers reported their work for pay was in farming or babysitting. Other work areas included lawn/garden care, retail, restaurant and sewing/crafts. Volunteerism also ranks high with 96 percent reporting they now or plan to serve in 4-H or other community groups.

Most delegates are optimistic about the future. More than 55.3 percent are somewhat hopeful and 21 percent hopeful that a solution will be found in the near future to

such problems as the arms race, turmoil in the Middle East and Central America and Soviet intervention in other countries. More than half think the United States can negotiate a peace between opposing factions in the Middle East. Some 60 percent look forward to a future life style better than their parents and another 28 percent think it will be the same. Only 10 percent anticipate it will be worse. Most of the respondents plan to marry, most at an age from 23 to 26. Love of mate ranks as the most important factor for a successful marriage.

Biggest financial need among more than 85 percent was college or technical school. Getting an education, 55.6 percent, and getting a job, 22.2 percent, were ranked highest among current concerns of delegates and their friends.

Nearly all of the respondents plan to get an education beyond high school, most with the aid of scholarships, parents and work while in school. Top career choice, 20 percent, is in the medical and health field; with business, 15.8 percent; agricultural production, 10.7 percent; and high technology, 10.5 percent; also ranking high.

Sixty-seven percent aspire to be business owners or executives.

While 56 percent feel their education to date is only a fair preparation for the future, some 30 percent rank it as excellent and 10 percent as inadequate. Forty percent believe the quality of education has been stable over the past five years and 38 percent rank it better than ever before. Nearly one-fourth feel it is worse than five years ago.

When asked where they want to live in the future, 63.6 percent preferred a farm or ranch, and only seven percent, the city. Demographically, 46.6 percent of the respondents come from farms or ranches and 28.5 percent from rural areas. Most live with both parents and consider their family close-knit.

Nationwide, 4-H is the largest out-of-school youth education program in the United States and involves nearly five million boys and girls from ages nine to 19. Of these, 17 percent live on the farm; 36.3 percent in towns with less than 10,000 population and open country; 17.8 percent in towns and cities of 10,000 - 50,000; and 28.9 percent in suburbs and cities with more than 50,000 population.



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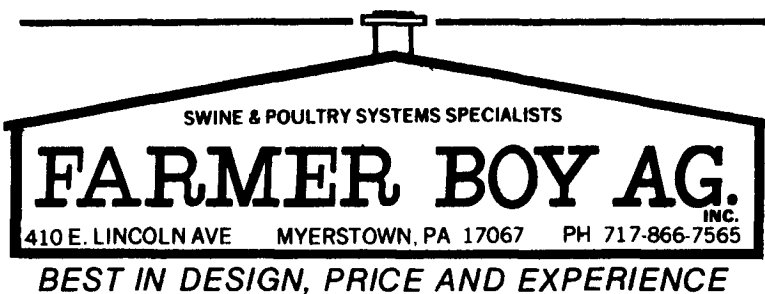
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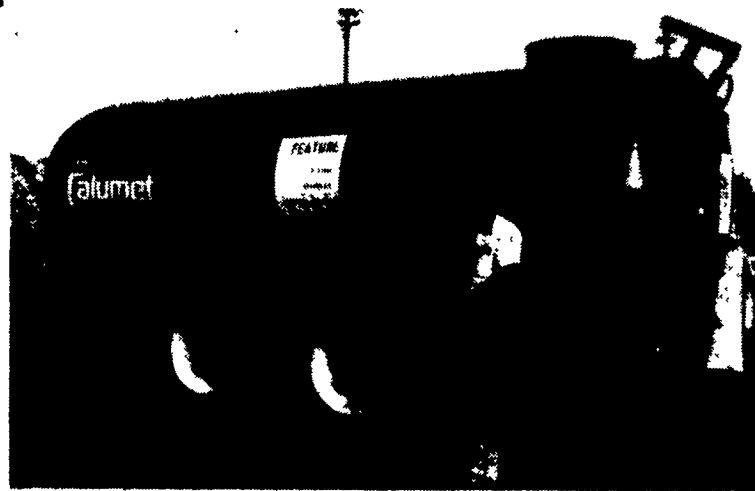
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Remember Gardeners on Your Gift List

NEWARK, Del. — Next to watching television, gardening is America's most popular leisure activity. That's something to keep in mind as you're puzzling over your holiday gift list, says University of Delaware Extension Horticulturist Dave Tatnall.

Garden items make excellent gifts, and there's something to fit every budget. The trick is to match the gift to the needs, level of experience, and particular interests of your gardening friend or relative.

A new gardener might welcome one of the basic tools of the trade — a good trowel, shovel, spade, rake, hand pruner, or lopping shears. A stainless steel sprayer would be appreciated by a gardener who is anticipating a lot of pests this coming year.

Other practical equipment gift ideas include a power weed cutter (or "whip"), electric hedge-

shears, sturdy leather work gloves, or a quality fertilizer spreader. For the vegetable gardener, a garden cultivator might be a thoughtful gift.

Don't forget indoor gardening aids such as a supply of plant labels with special marking pen, a small watering can, or a plant mister. And how about houseplant fertilizer sticks, seed planting kits, peat pots, or a moisture meter?

If tools seem too humdrum, consider a gardening book, calendar, or magazine subscription. There are specialty books and magazines for every type of gardening enthusiast, from the rose fancier to the organic vegetable grower. Decorative pots, baskets, and macrame plant hangers make attractive gifts too.

Any gardener would surely appreciate a lovely plant. If you plan to give a foliage or flowering plant such as a poinsettia,

amaryllis, or cyclamen, Tatnall suggests buying it about two weeks before Christmas while the selection is still good, and asking the florist or nursery operator to set it aside for you. That way the plant will benefit from professional care until it goes to its new home.

If you'd rather give a landscape plant, order it now from a mail order nursery, Tatnall says. The company will send your friend a card at Christmastime announcing that your gift is on the way. The gift itself will arrive at the appropriate planting time.

If you still need more gift ideas for the gardener on your list, try wandering through a garden center. Then, if you can't make up your mind, ask about a gift certificate.

Chemicals stimulate tomato growth

UNIVERSITY PARK — Applying gibberellin or kinetin chemicals to the roots of tomato plants consistently increases photosynthesis and growth, research at Penn State has shown.

"Applications of plant hormones to the roots has the potential to change agricultural practices and increase crop yields," says Richard N. Arteca, vegetable scientist at Penn State.

This may accelerate growth rate in the developmental stages, allowing maximum leaf area production to come earlier than usual, Dr. Arteca reported. Besides creating better photosynthetic efficiency, gibberellin or kinetin treatments could also enhance production.

"There is no doubt that gibberellin or kinetin significantly affect plant growth and development in experimental test systems," Arteca said.

Plants maintaining an accelerated photosynthetic rate

could increase the supply of products from photosynthesis during fruit set and development. Also, both fruit size and dry matter accumulation could increase, the Penn State research indicated.

Gibberellin had a profound effect on growth when applied up to 0.5 parts per million to hydroponically grown tomato plant roots, Arteca said. The chemical applied at 0.05 parts per million produced about a 25 percent raise in photosynthesis. The photosynthetic rate of gibberellin-treated plants increased more at lower light levels than at higher light levels.

"This can benefit growers in areas where light is limited," Arteca said, "thereby maximizing the true growth potential of plants."

Kinetin applications at 0.005 parts per million, to the roots of hydroponically grown tomato plants, promoted about a 30 percent increase in photosynthesis. When applied at 0.05 parts per million, there was a 20 percent raise. However, when kinetin was tested at 0.5 parts per million, plant growth was inhibited. As with the gibberellin treatments, the increase was greatest for kinetin at lower light levels.

"These results are the essence of agricultural research," Arteca said. "Practically, however, the true potential of these growth regulators can only be fully realized by exploring new application methods."

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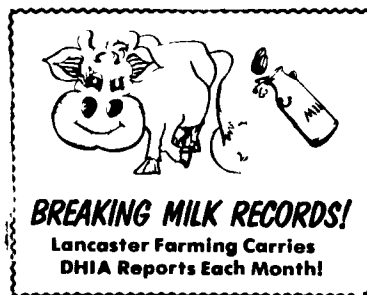
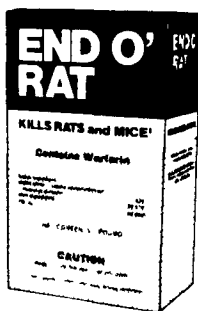
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Food shortages exist around the world

WASHINGTON, D.C. — Despite record world food supplies in 1983, many of the world's poorest countries face a "food deficit" — unable to produce or purchase enough food to meet minimum needs.

That's the finding of USDA Agricultural experts who must try to anticipate the food aid needs of the Third World.

"For the new 1983/84 crop year, moderate to severe levels of need will continue in most low-income countries," says economist Kevin Lanagan who recently directed an Economic Research Service (ERS) study on world food conditions. "Food aid needs will be greater than in 1982/83."

Needs rising

Simply to keep pace with their expanding populations and shrinking purchasing power, at least 50 poor nations need assistance in obtaining a total of 12.4 million tons of cereal grains, a half million more than last year. Without it, they won't be able to match their low per capita consumption levels of 1982/83, says Lanagan. Cereal grains (including wheat, rice, and corn) comprise the bulk of total food aid.

Some nations suffering chronic shortages will have particularly acute food aid needs in 1983/84. Bangladesh and Vietnam could need over 1 million tons of cereals each to maintain consumption levels. Bolivia and Peru combined

could require as much as 900,000 tons. El Salvador may need nearly 140,000 tons, and Haiti more than 90,000 tons.

Sub-Saharan Africa continues, as in years past, to be the region of crisis among the needy nations. Ghana may need more than 150,000 tons of cereal grain food aid in 1983/84 to maintain consumption levels. Kenya and Sudan may each need more than 200,000 tons. Others facing shortages are Chad, Lesotho, Mauritania, Mozambique, Somalia, and Swaziland. Egypt also continues to receive substantial food aid in support of economic development.

Growing debt

Ghana, while not one of the largest food aid recipients, provides a look at a troubling trend in the food deficit nations — growing debt obligations, reduced foreign exchange reserves, and the attendant inability to buy an adequate amount of food for its citizens. A cocoa-exporting nation, Ghana has seen this major crop suffer price declines during the worldwide recession.

"The people of Ghana can't eat cocoa," says economist Lanagan. "It has to be exported to earn money to buy food. But prices have dropped, earnings have dropped, and Ghana has less money."

The financial situation for many countries has worsened since last year, he adds. "There's definitely a decreasing ability to pay for

foods that are normally imported. World stocks of food are the highest on record, but these large supplies aren't purchasable by poor nations."

More borrowing

To buy food on the world market, many countries have gone into debt, another trend Lanagan finds troubling. "Countries have maintained current consumption standards by borrowing," he says. "Then they have to pay all that interest, and they end up without enough money to buy food so they have to borrow more. They get further and further behind."

The growing debt-service bill (payments on debt principal and interest) of the low-income developing countries came to an estimated \$20.5 billion at the end of 1982. That represented more than a fourth of their total export earnings last year. At the same time, their currency reserves were estimated at slightly less than \$24 billion at the close of 1982 — dangerously near the amount needed for debt servicing alone.

So, in 1983, a year of ample world food stocks — on paper at least — there is still serious scarcity in many countries.

What are the prospects for meeting these food aid needs?

U.S. food aid under P.L. 480, also known as the "Food for Peace"

program, now reaches around 70 countries. These efforts cost about \$1.5 billion and provided an estimated 6.5-7 million tons in total assistance in fiscal 1983. In fiscal 1984, which began in October, levels of assistance may rise slightly.

CCC donations

The United States is also providing stocks of butter, cheese, and nonfat dry milk to nations in need through USDA's Commodity Credit Corporation (CCC). In one recent action, 22 million pounds of nonfat dry milk were provided to Catholic Relief Services for distribution to poor residents of Guatemala. Through mid-August, this year's CCC donations totaled more than 83,000 tons of dairy products to poor nations.

Although the United States is the world's major food donor, the breadbaskets of other countries have begun to open wider. European Community nations, Japan, Canada, and Australia have all added significantly to the flow of either surplus or specially prepared and purchased foods to the developing world. Japan, for example, more than doubled its

food assistance in the last decade, donating about \$100 million worth of foodstuffs in 1982.

The United Nations also plays a central role in providing both direct aid and coordinating the flow of food aid from donor countries. In 1982, the UN World Food Programme shipped over 1.4 million tons to food-deficit nations and spent an additional \$190 million went to poor countries for social and economic development projects — more than half of which was spent specifically on agricultural and rural development.

More from U.S.

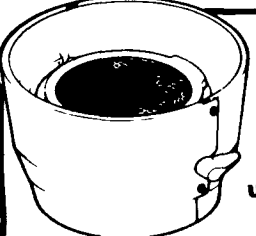
Active in this area as well, the United States has agreed to provide \$250 million to the World Food Programme for 1983/84 — a 14 percent increase over its previous pledge.

However, even when all these efforts are considered, they almost certainly won't be enough to ward off hunger, malnutrition, and even starvation in some parts of the world. Millions of people live on the edge of subsistence, and just a slight drop in per capita con-

(Turn to Page B27)



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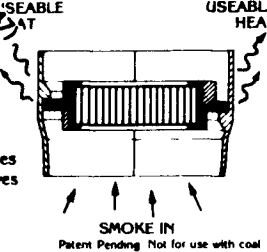


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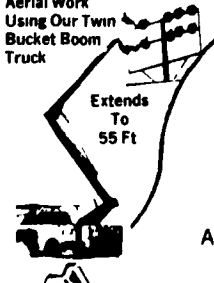
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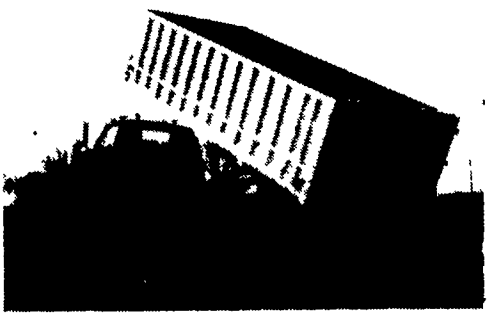
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Food shortages

(Continued from Page B26)

sumption translates into starvation. Another problem: Large quantities of food assistance would not always provide a solution.

Africa is a case in point. Not only is much of the area suffering from extended drought and hunger, but simply getting food to the hungry presents a problem. Ethiopia, for example, has no rail system in its northern hinterlands where the drought and famine have been most severe. Lack of roads makes it even more difficult to get food aid to widely scattered rural people. The United States, along with other countries, is providing trucks to Ethiopia to distribute food assistance where roads are available.

Modest improvement

Ultimately, the solution may depend upon the ability of food-deficit nations to improve their own situation using their resources and the long-term technical assistance available from more

developed countries. In the meantime, they will continue to face food shortages, although every year is not likely to be as bad as 1983/84 now appears.

In fact, ERS economists project a modest improvement in the world food situation in 1984/85. "Some reduction is expected in the amount of food aid needed for low-income countries in 1984/85," Lanagan says. "The major reason is a forecast improvement in the ability of these countries to purchase food."

Cereal food aid needs are forecast at 11.2 million tons for 1984/85, nearly 10 percent below the anticipated 1983/84 level.

"As the economies in developed countries recover from recession, their demand for raw materials should provide a welcome boost in export earnings and foreign exchange reserves for low-income countries," Lanagan says. "This would pave the way for low-income countries to import more food on a commercial basis."

NEWARK, Del. — If you haven't already done so, this weekend would be an excellent time to winterize your lawn mower, garden tractor, outboard motor or any other small gasoline engines you won't be using until next year.

The old saying, "An ounce of prevention is worth a pound of cure," readily applies in this case, says University of Delaware extension agricultural engineer Tom Williams. A small gasoline engine that is properly serviced will perform better, last longer, and be ready to go next spring.

Williams recommends the following procedure:

In the case of a power lawn mower, first remove the spark plug wire to keep the engine from starting accidentally and cutting off your hand. Clean the grass clippings from the cutter blade housing, using a scraper and a

wire brush. This is also a good time to sharpen the cutting blade. Make certain the blade remains perfectly balanced when you're finished. An improperly balanced blade will cause excessive vibration and soon tear the engine apart.

With the engine warm from running, drain the crankcase if it's a four-cycle engine and refill with fresh oil of the proper viscosity and type. (There is no crankcase oil in a two-cycle engine.)

Drain all gasoline from the fuel tank, fuel lines, and carburetor, to keep gum deposits from forming. The fuel system will be completely drained if the engine runs until it's out of gas.

Remove the spark plug and pour about a tablespoon of #10W oil into the cylinder. Then, holding a rag over the opening, pull the starter rope a couple of times to distribute the oil. Clean the spark plug by scraping the deposits off the electrode. Reset the gap to the

proper clearance and replace the spark plug.

Thoroughly clean the engine by removing the blower housing and cleaning dirt and chaff from the cylinder head and fins. This will keep the engine from overheating. Replace the blower housing and service the air cleaner by washing it with a solvent and replacing the oil in the filter. Use antifreeze to protect liquid-cooled engines from freezing. Batteries should be charged and stored in a dry place that's above freezing.

Finally, lubricate any other moving metal parts on your machine and tighten all screws and bolts. Wipe the machine down with a rag dipped in a mixture of kerosene and light oil. Then cover it with a piece of canvas or an old blanket and store in a dry place.

When the grass starts growing next spring, or the fish are jumping in the pond, you'll only have to fill the tank with gasoline to be ready to go.

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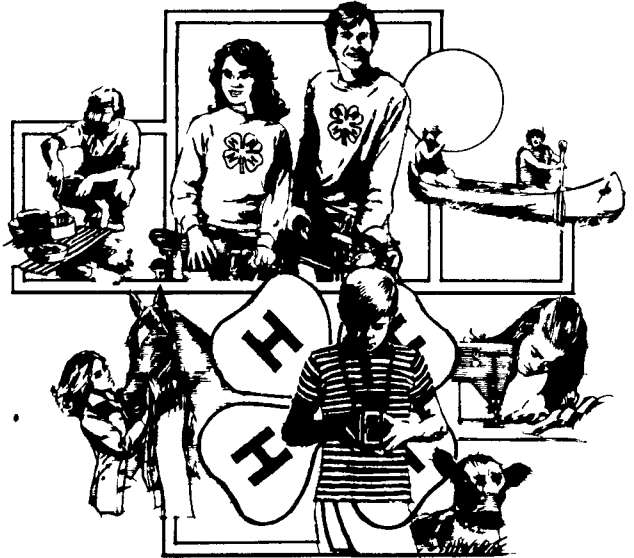
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Herbicides evaluated in vegetables

NEWARK, Del. — Obtaining satisfactory weed control can be a challenge in certain vegetable crops. "The need is obvious," says University of Delaware extension vegetable specialist Ed Kee. "Poor control affects yield and quality, and interferes with both hand and mechanical harvest. Get at weeds early in the season for effective, long-term control."

To determine the impact of weeds on yield, scientists at the University of Wisconsin allowed a 15 percent weed stand to remain in a carrot crop for the first 5½ weeks after planting. At that point, they removed all weeds. At harvest they found that yield had been reduced 78 percent compared to the weed-free check plot. They obtained similar results with other vegetable crops.

The lesson is that the first four to five weeks can be just as crucial to yield as any other growth stage in the crop's life, Kee says. This applies not only to weed control, but to other inputs as well — fertility, stand, insect and disease control, and adequate moisture.

Of all these factors, however, weeds probably cause the most frustration. One reason is that herbicides which are safe to use on vegetables often lack the activity or lasting power of herbicides used for agronomic crops. In addition, weather and moisture strongly influence an herbicide's effectiveness and its safety in relation to the crop.

Though cultivation and hoeing

still are very important for good weed control in vegetables, growers can take steps to improve the performance of available chemicals and so reduce the amount of mechanical weeding required, the specialist says.

The first step is to read and follow labels. This is important for several reasons. High residues may develop in the crop or soil, causing crop injury or safety problems for the user. There also are the legal implications inherent in product misuse when labeling restrictions aren't observed. "Any agricultural chemical label is a source of information that must be followed to get maximum benefit from the product," says Kee.

The information on the label is derived from years of research, field trials and experience, he says. "An herbicide's mode of action often determines what it can do in the field. Understanding how a chemical works will help you get full benefit from it and allow you to diagnose field problems should they occur."

Listed below are some major vegetable herbicides and their chemical families. Kee has provided information on how each particular category of materials works to control weeds, and on potential problems associated with their use.

*** AMIDES (Acetanilides)** — Alanap, Dymid, Kerb, Dual, Lasso, Bexton, Ramrod, Propachlor, Radox. Herbicides in this family inhibit root and shoot

growth and cause stunted, malformed seedlings. They interrupt normal cell division and elongation, and interfere with protein synthesis.

Uptake of these herbicides can occur through roots, shoots and seeds. Chemicals must be present in early stages of germination and growth to be effective. They work best on grasses.

*** BIPYRIDILIUMS** — Diquat, Paraquat, Gramoxone. These are nonselective contact plant killers. They rapidly disrupt cell membranes, causing wilting, often within a few hours, and then tissue death. Light (through photosynthesis) increases their activity by changing them to more active forms. Little translocation takes place within plants, and injury occurs only where spray contacts foliage. Complete spray coverage is essential for weed control.

The herbicide molecules carry strong positive charges which cause them to be tightly held by soil colloids, so they have no significant soil activity, Kee says. Crop injury from paraquat drift appears as spots of dead leaf tissue wherever spray droplets contact foliage.

*** DINITROANILINES** — Balan, Cobex, Prowl, Sonalan, Surflan, Tolban, Treflan. This family of herbicides is susceptible to volatilization, photodecomposition, or microbial and chemical breakdown unless protected by immediate incorporation in the soil, although some formulations do not need incorporation, the specialist says.

These soil-applied herbicides are absorbed mainly by shoots of germinating weeds and to some extent by roots. Very little chemical translocation takes place, so the primary effect occurs at the initial site of uptake, inhibiting root growth. Uptake of these products in vapor form may also be important.

Dinitroaniline herbicides inhibit cell division, thus inhibiting lateral root formation. Bean injury from misapplication of these compounds appears as a form of root pruning. Roots that do develop usually are thick and short. Hypocotyl (area of stem below the cotyledons) swelling also occurs. The root injury causes stunted plants which are often dark green.

The same type of damage can occur in cataloupes and water-melons when a dinitroaniline is used. Cold weather allows more of the chemical to accumulate in young seedlings, thus increasing the potential for injury.

*** THIOCARBAMATES** — Eradicane Extra, Sutan +, Ep-tam, Avadex, Ro-Neet, Tillam. Herbicides in this group are relatively volatile. If not immediately mixed into the soil, much of the material will be lost. Usage is generally limited to pre-plant incorporated treatment.

Thiocarbamates inhibit cell division and elongation, and may also alter plant hormone (gibberellic acid) distribution within plants. In grasses they inhibit meristem (growing point) activity and cause abnormal emergence of leaves. Growth of susceptible broadleaved plants is inhibited and they develop cupped leaves. Chemical uptake occurs through seeds, shoots or roots, with shoots more affected than roots.

*** TRIAZINES** — AAtrex,

(Turn to Page B30)

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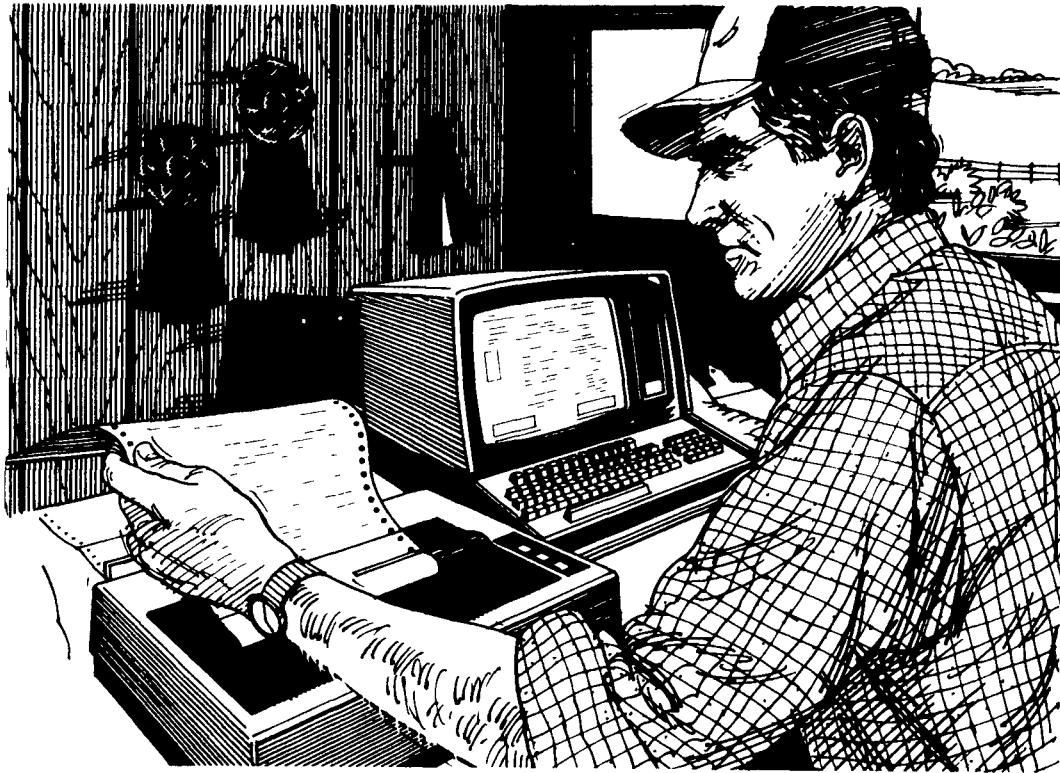
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Check why small grain crops yellow

NEWARK, Del. — Small grain plants often turn yellow at this time of year. Sometimes it is a normal response to a sudden temperature drop. But the change may also result from pH or other problems which could reduce yields next year. For this reason it's important for growers to determine just why the yellowing occurred, says University of Delaware extension county agent Derby Walker.

Small grains may turn yellow because soil is too acid or too alkaline. In either case, plants can't grow properly and may even die, depending on how extreme the problem is. "When you have a low pH or highly acidic condition, the aluminum released from the soil can become toxic to plants. The condition can be corrected simply by liming," Walker says.

Overliming is even more likely to show up in small grains—especially on sandy soil. "Some of our most conscientious farmers run into trouble because the ideal pH range for small grains is so narrow," the agent says. "They're trying to keep up the pH to obtain maximum yields over their total cropping program, and it's easy to get it a bit too high for crops like wheat and barley."

When the soil is too alkaline, manganese become unavailable. Applying manganese when the weather warms up may help correct this problem. However, foliar applications of manganese on small grains are not nearly as effective as they are on soybeans, Walker says. "Adding manganese to the soil is even less effective at high pH levels because the manganese immediately becomes tied up in the soil and plants can't use it."

"When the pH reaches 6.2 or higher we often see manganese deficiencies in small grains—

especially barley. Sometimes the problem is temporary and corrects itself when the roots reach more acid soil. It depends on how far down they have to go," he adds. "The best way to make sure plants get enough of this micronutrient is to test soil routinely to avoid overliming, because a manganese deficiency is so difficult to correct once it develops."

Herbicide carry-over is another reason small grains may turn yellow now and even die. This usually occurs in dry years on fields where overlapping grass control chemicals were applied. Walker says this generally is a problem only following a corn or vegetable crop, particularly when the vegetables were planted late in the year. "If you anticipate trouble with carry-over after a dry season, plowing the ground rather than just disking will help disperse any residual herbicide," Walker says.

Soil that's too wet may cause roots to die from lack of oxygen—another cause of yellowing in grain plants. This is a common problem in low areas or poorly drained fields.

Compaction caused by trucks and heavy equipment at the ends of a field also may affect small grain performance and cause yellowing. This is because plant rooting depth is restricted and drainage impaired, thus preventing normal growth.

To summarize, small grains are very sensitive to pH, herbicide carry-over, soil compaction and water damage. Determine why plants are yellowing and take corrective action where possible. "At this time of year the only problem you can solve is acid soil. All the others will have to be solved in the spring, or written off as a loss," Walker says. "One thing you can be sure of, if you made a mistake, it will show up with small grains—especially barley."

Herbicides evaluated

(Continued from Page B28)

Atrazine, Bladex, Evik, Princep, Simazine, Sencor, Lexone. These herbicides are used primarily as pre-emergence soil-applied treatments although several products also are widely used post-emergence. They inhibit photosynthesis, causing chlorosis or yellowing, followed by death of leaf tissue. Applied to foliage, uptake occurs but very little movement takes place out of the leaf.

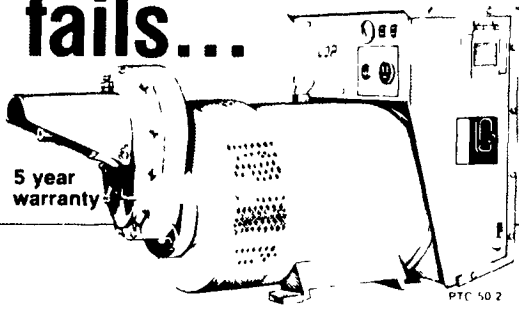
Triazine injury on corn causes leaf margins and tips to turn yellow and then brown. Cucumber or melon injury appears as a whitening of outer leaf margins. The entire leaf may turn yellow, but veins usually remain somewhat green (interveinal chlorosis). Lower leaves are most affected; new ones may not be affected at all. When soil-applied, these herbicides are taken up by roots and move to plant leaves.

* UREAS — Lorox, Karmex. These herbicides are relatively nonselective at high rates. Most are applied to the soil, although a few also have foliar activity. They inhibit photosynthesis much as triazines do. Applied to the soil, they are taken up by roots and move upward throughout the plant. When applied to foliage, uptake occurs with little movement out of the leaves.

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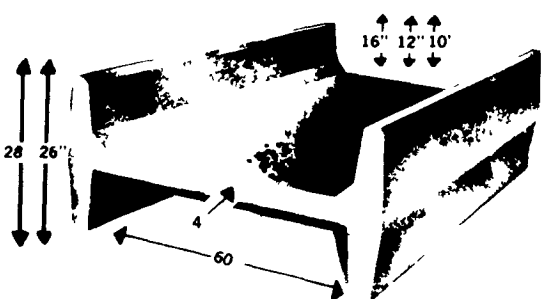
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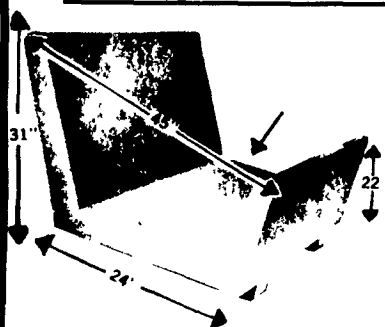
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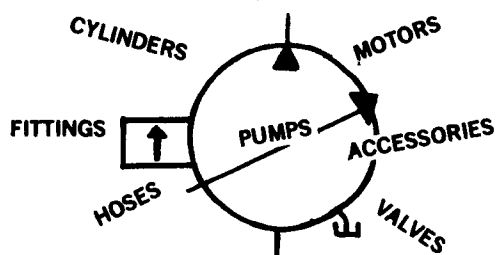
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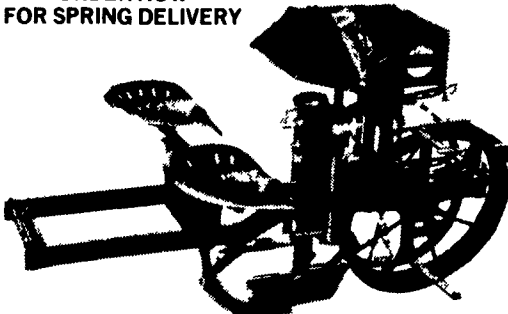
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Livestock exporting approved

WASHINGTON, D.C. — U.S. Department of Agriculture officials have approved additional animal export facilities in San Francisco and New York.

Bert W. Hawkins, administrator of USDA's Animal and Plant Health Inspection Service, said facilities operated by Petair, Inc., at San Francisco, and by the Alex Nichols Agency at John F. Kennedy International Airport, New York, N.Y., have been inspected and found to meet USDA criteria for handling export livestock shipments.

Hawkins and Petair, Inc., provides a second export facility in San Francisco. The Cow Palace is also an approved facility for handling animals that require USDA export health certification.

The Alex Nichols facility in New York is in addition to the SPCA Animalport at John F. Kennedy International Airport, both of which are approved to export horses only. General exports of livestock and poultry through the port of New York are handled at Stewart Airport, Newburgh, N.Y.

In today's action, USDA officials also redesignated livestock export facilities at Los Angeles to handle ocean shipments, as well as air exports.

Hawkins said livestock and poultry export facilities must have adequate shelter, lighting, sanitation, feed and water, as prescribed by USDA regulations. They must also provide inspection facilities for veterinary examinations and safe holding pens, gates, walkways and loading chutes.

In addition to New York, San Francisco and Los Angeles, approved livestock export

facilities are at Stockton, Calif.; Miami and Tampa, Fla.; Indianapolis, Ind.; Chicago, Ill.;

Lexington, Ky. (horses only, through the Cincinnati airport); New Iberia, La.; Minneapolis, Minn.; Harrisburg, Pa.;

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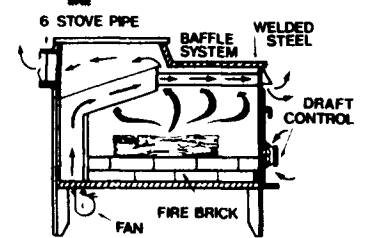
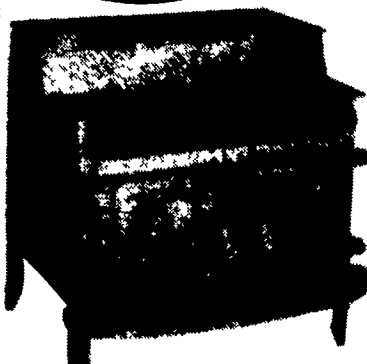
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MAILBOX MARKET

For Sale - New 20' smooth steel truck bed \$1000 53 gal. plastic Barrels \$10. Wash. Co., 301-824-7240 No Sunday calls.

For Sale - 400 Bu. Auto Roller mill 3 HP motor Gandy applicator - 12 volt hyd. cylinders; Milk Cans 717-665-7175, Lanc. Co.

For Sale - NH 707 new grass pick-up head, or will trade for pick-up for NH 890 Harvester. Northumberland Co., 717-538-5180.

For Sale - JD 7000 4 row cornplanter; JD 999 2 row cornplanter. Elam B. Stoltzfus, Mill Hall, Pa. 17751.

For Sale - Antique cream separator, 2 space heaters, Kenmore dishwasher, 24" Chain Saw 717-687-0606, Lanc Co

MAILBOX MARKET

For Sale - Used porch flooring, T and G, Lanc. Co., 717-354-7186.

For Sale - 16' Alum. Body roll door \$350. MF 202 tractor w/loader 3 pt. pto. \$3000. Farmall A cult. 215-598-7546.

For Sale - Inter. 350 Utility low profile - two pt. - wide front good rubber - 1600.00. Choice of welder. Montour Co., 717-672-2021.

For Sale - Complete set of tires & rims comes off 30-20 J.D. 15-5-38. Franklin Co., 717-532-2599.

Wanted To Buy - 5 star irrigation nozzles, Call 717-865-2529, Leb Co. Pa.

For Sale - Shutter assembly for 36 inch Zimmerman Fan \$30.00 No Sunday calls. Lanc Co., ph 215-267-3757

MAILBOX MARKET

For Sale - Fresh Alpine milk doe with 2 doe kids mature registered Nubian buck. Pygmy doe kids. Adams Co., 717-359-5165.

For Sale - 3 clean hogs. Weighing approx. 325 lb. Daniel B. Smucker RD#1, 424 A Peters Rd., Gordonville, PA 17529.

For Sale - Jersey heifer due in spring \$200.00. Carriage buggy horses 3 to 9 yr. old \$500.00. 717-656-9548.

For Sale - Registered brown swiss cow, heifer, and heifer calf; Also holstein cow and heifer. 215-791-0186 after 6 p.m.

For Sale - G.E. Microwave, 2 yrs. old, barrel stove kit, Leb. Co., 717-949-3077.

For Sale - NH 880-2 Row Wide harvester head fits 880-890-892 15 used Jamesway water bowls. Northumberland Co., 717-649-5320.

For Sale - 1957 Chevy 350 Truck, 10' stake body, dual wheels, running condition, needs brakes (717) 438-3563 after 5 p.m. Perry Co.

For Sale - 22 Acre Farmett - Springs - fenced pasture - Partially remodeled log house - bank barn - garage \$51,000.00 - Perry Co., 717-834-3882

For Sale - 1977 Plymouth Volare Black station wagon, auto., power steering, air conditioning, 59,000 miles, Franklin Co., 717-369-4211.

For Sale - A silage pile and no spoilage. Fiarbank platform scale it weight 1000 lb. One mantle gas lantern, 717-354-0616.

For Sale - Farmall H tractor, good condition, 16' Little Giant elevator, & 1 1/2 hp. single phase motor. Berks Co., 215-944-9693.

For Sale - 1938 F-14 tractor with implements. Sheepskin products. (Large yellow Labrador for stud). Wanted - Old paintings. Montgomery Co., 215-367-6388.

For Sale - IH 454 Diesel tractor with 2050A loader, New Idea Fertilizer Spreader, Weed Sprayer, Excellent condition, Sch. Co., 717-682-9233.

For Sale - Mounted flail chopper for New Holland 273 Baler for baling corn stalks. Good condition. Lanc. Co., 717-367-4454.

For Sale - NH 327 manure spreader, like new - \$1200, list \$4100. Phone 717-444-3968, Perry Co

For Sale - Butler 1 ton feed bin very good condition, 500' black used hot water 2" & 1 1/2" pipe Dauphin Co., 717-692-3616.

For Sale - New 700 gal liquid manure spreaders 1700 00, Samuel L. Stoltzfus, Christiana R#1, Box 199 at Bartville, Pa

For Sale - MF 17 Disc Grain Drill w/fert and ban seeder, used 2 seasons \$2800. 717-299-2536 or 299-4482.

For Sale - 1973 IH 1800 33,000 GVW 5 x 2 speed rear, PS, good rubber; 1979 Cadillac Seville 36,000 miles loaded, 717-865-6710.

For Sale - IH 105 Grinder Mixer running order 500.00 also Graham bell 7 tooth chisel plow 200.00/offer Berks Co., 215-944-7475.

For Sale - Horse, family broke. Price \$650.00, 1-215-286-5609.

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For Sale - 7, #2, Victor & Northwood TRAPS, Cragers 1 pair 4 1/2" long pattern \$10.00, Lanc. Co., 717-738-2322 after 6.

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For Sale - 2 horse cart on tires W-Brakes, 150.00. 1 yr. old Fox Terrier dog. \$5.00. Lanc. Co., 717-656-8961.

For Sale - Two seat carriage with rubber. Lanc. Co., 717-354-5993

For Sale - 8 hp Kohler cast iron block electric start runs good. \$135.00. Wanted - Large metal lathe and drillpress, Lanc Co., 717-354-5060.

For Sale - Appro. 400 tons of haylage. Lanc. Co., 215-267-4595.

For Sale - Case 600 3 pt live Hyd \$1700.00 or trade for small dozer. calf hutches \$40.00/each. Luz. Co., 717-759-0921.

For Sale - Milk Sputnick with strainers box \$850, Levi A. Stoltzfus, RD7 - Box 294, Coatesville, Pa. 19320, Chester Co.

For Sale - Good Guernsey family cow due to freshen. Feb. 17. 4th calf. (215) 486-0963 Chester Co.

For Sale - AKC Chow Chow male 4 mth. old Terrier and Chihuahua males 5 mths. old. Shots. Lancaster Co., 215-267-7381

For Sale - Young tender dressed geese 150 a lb. 1/2 mile East of Wakefield along Rt. 272.

For Sale - A.B. Farquhar (Iron Age) items wanted for collection. Farm Machinery, catalog's, Robert Rauhauser, Box 766, Thomasville, Pa. 17364.

Wanted - Motor for W-9 gas tractor. David S. Peachey, Box 221 Star Route, Allensville, Pa. 17002.

For Sale - M.F. 285, Front & Rear weights, dual hydraulics, Multi-shift, low hrs. excellent condition \$12,000. York Co., 717-432-9919.

For Sale - Like new Badger Bale Chopper 3 HP electric. Perry Co., 717-789-3070.

For Sale - Milk Sputnik, Complete 717-423-6293. Cumb Co.

For Sale - Purebred LaManchas - 7 months doe, bred milking yearling, 1 1/2-yr buck Amyr and Posey Acres Bloodlines. Perry Co., 717-582-4551.

For Sale - Rebuilt 3200A Skid Loader 54 in. Bucket 3250.00 or best offer. Fork & tires available Berks Co., 215-944-7475

Wanted - 2 Bottom rollover plow 3 pt For Sale - Losch coal or oil hot water boiler \$300.00. Leb. Co., 717-272-9898.

For Sale - Cunningham hay crimper, wooden shutters, Aluminum storm windows, 2-34" exterior doors, solid interior doors Cumberland Co., (717) 243-8519.

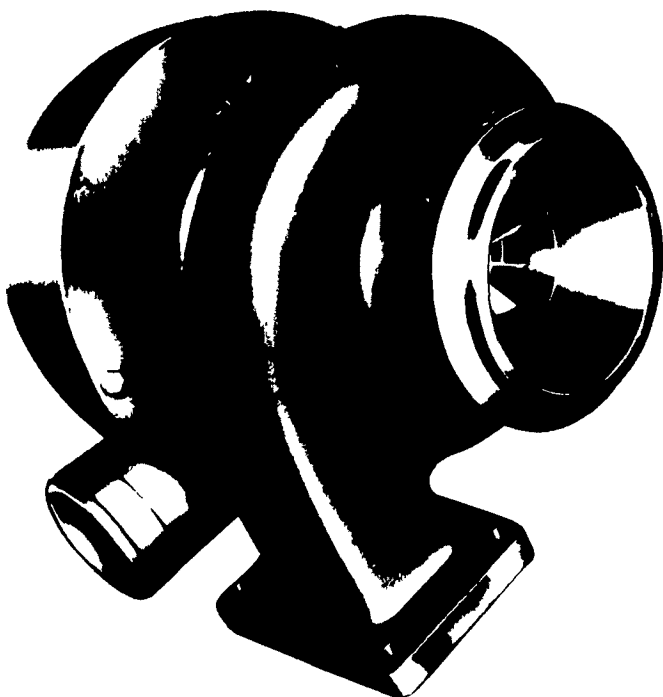
For Sale - 1944 L A JD Tractor with Plows Cultivators & Pulley. \$1850.00. 717-258-6158, Cumberland Co.

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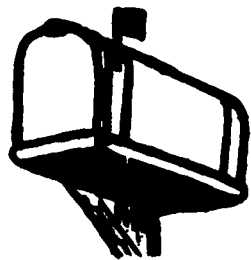
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For Sale - Dry corn fodder, 4'x4' square bales, \$50/ton 50 mile free del 6 ton min. Chester Co 215-458-5783

For Sale - 4-2 & 3hp, 3 ph refrigeration compressors, one 7 1/2hp air conditioner. Wanted - 10 wheel hay rake 717-243-2980

For Sale - 2 reg Appaloosa broodmares, Bays, 5 yr App Stallion, 6 mo Colt, package or separate, super cond Allegany 301-724-4275

Wanted - For AC D-17 ser IV all gauges, steering wheel, tachometer, hyd knobs. Chester Co 215-857-5949

Wanted - PTO driven corn sheller S A M. Shafer Perry Co 717-567-3340

Wanted - Large cast-iron wall radiators, type to hang up on wall. Sam Kinsinger, 3123 Irishtown Rd, Gordonville, Pa 17529

For Sale - Space heater, Atlantic Home Steader coal or wood \$175 firm. Cash 717-755-7422

For Sale - Singer electric baseboard heaters, 1-50 gal & 1-60 gal. elec water heater 373 North Ronk Rd, Bird-in-Hand, Pa 17505

For Sale - Mayrath 24'x6" dia, grain auger, transport type, w/small gas engine \$300. Lanc Co 717-626-5438 after 6 p.m.

Wanted - Land roller suitable to use on gravel roadbed for compacting Harford Co 301-879-1621

For Sale - Reg Holstein bred heifers, 2 yr 1 mo old, Shade-Acres Otis Standout daughter, Lanc. Co 717-872-5663

Wanted - Flywheel for 5 hp NH gas engine or complete/parts engine. 717-266-2982.

MAILBOX MARKET

Yorkshire Service Age Boars. Pseudorabies and Brucellosis free herd. Red Run Farm, Joel Stern, R2, East Berlin, Pa. 17316, York Co 717-292-4634.

For Sale - Rope halters for cattle, made to order, 717-898-7020 Lanc Co, Pa

Wanted - New or used storm front market wagon, and/or spring wagon, state price and condition, all replies answered, T Holliday, Rt 4, Box 244, Waynesboro, TN 38485.

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For Sale - 72 Ford Ranger XLT pickup, needs work, \$190. Lanc Co 717-768-3021

For Sale - Purebred Blk Angus Feeders 400-500# 60 cents/lb. Yellow House Berks Co, 215-689-9168

Wanted - 20x70 Used Harvestore Silo, Lanc Co, 717-733-8024

For Sale - T-9 Int. Crawler with Hough industrial loader, good cond., and operator's well \$3000. Lanc Co after 5 00, 717-284-2515

For Sale - Cold room - 16' wide 60' long & 9' high w/compressor and units. Make offer York Co, 717-225-1845

For Sale - Yearling Toggenburg Buck \$60. Twins 6 mo (male or female) Suffolk ewe lambs York Co, 717-862-3309

For Sale - Selling entire herd Quality 3/4 & 1/2 Nubian does \$40-\$70, some bred Purebred Nubian buck \$75. Adams Co, 717-677-6721

For Sale - Jersey Bull 1 1/2 yrs old Good for Breeding Heifers Benjamin S Lantz Box 28-2 RD2 Strasburg, 17579

For Sale - 4 yr old Standard Bred driving horse Traffic safe David D Esh, 40 Frogtown Road, RD 2, Paradise, Pa 17562

For Sale - Sawed Locust Posts 7' \$350/a piece. Wanted - small roller mill Jonas K Smucker Box 181A, RD#1 Strasburg, Pa 17579

For Sale - One Morgan Mare Reg Stands 15 3 good broke Elam B Stoltzfus 3068 Irishtown Road, Ronks, Pa 17572

Wanted - Hired youth starting anytime before spring planting John L King, 38 So Belmont Rd, Paradise, Pa 17562, Lanc Co

For Sale - Warm Morning model 422 stove \$200.00 w/automatic thermostat Eli Z Byler R1, White Oak Rd, Paradise, Pa 17562

For Sale - Bank barn, 27'x70', old barn siding. Make an offer Farmall Super C with cultivators 717-426-1539 after 5 p.m.

For Sale - JD 34 manure spreader \$1100.00, JD cultimulcher \$850.00 both good condition 215-445-6345

For Sale - 1 Baby bear stove new, 1 antique coal stove, 1-5 HP Economy gas engine 717-637-8855

For Sale - Ford 4,000 PS, W.F. End, Hydraulics Cub, snow plow, plows, cultivator, sicklebar, 215-682-6137 after 5 00 P M Berks Co

For Sale - Good buck saw with three blades \$150, steer watering trough, 6 ft in diameter \$50. Lanc Co, 717-872-5263

For Sale - Sicilian Donkeys, small gentle pets, good for X-mas. Also single horse braids for sale Berks Co, 215-582-4434.

MAILBOX MARKET

For Sale - 3 Mini Orbit pipeline units, Surge Solid State Pulsation Control box, 32 double acting stallcocks. Leb Co 717-933-4972

For Sale - JD 1240 plateless corn planter w/double disk openers Fertilizer Insecticide Herbicide attach, good cond. \$1150 717-933-4577

For Sale - 2 Alpine Billy goats, 1 nanny goat, large black rabbits, large white rabbits, old crocks Perry Co 717-789-3506

Wanted - 1949 Studebaker champion for parts 1949 50 PA out license plates. 717-382-4156

Wanted - Transfer Case for Ford 4x4 F250, may consider whole truck for parts, Lehigh Co 215-264-3025.

For Sale - 4 complete Bou-Matic units Daniel M Beiler, 624 Willow Rd Lanc Co 17601. Lanc Co

For Sale - 5700 gal S S tank trailer, good for storage, \$2900. Lanc Co 717-626-8912.

For Sale - Trexler power seed potato cutter w/motor \$125. Leb Co 717-949-3988

Wanted - 6-8000 gal truck trailer Nor-thumberland Co 717-473-9417 eves

For Sale - 1969 Chevy C30 dual wheels w/9'-3" Knapheide grain & livestock body, 2 ton hoist, \$3200 717-784-4188

Wanted - Drive gear for pulley & some other gears for OC12 Oliver Emanuel G Zook, RD1, Box 252A, Kinzer, Pa 17535

For Sale - 7 wooden calf hutches w/outside pen Walnut logs 12" to 18" in diameter York Co 717-259-7064

For Sale - 5 7 liter diesel used parts, heads, crankshaft, injectors, block Power feed, Bridgeport milling machine \$45. Lanc Co 717-733-8007

For Sale - 1935 Plymouth, good running cond., garage kept, best offer Montgomery Co 215-754-7623

Wanted - Clean straw, large amounts Reg Morgan mare, must be sound & quiet Montgomery Co 215-679-6076

For Sale - Toy Fox Terriers, reg 3 left (m&f) unrelated, wormed, docked, inoculated & paper trained 215-932-5797

For Sale - V-type snow plow, good cond., will fit JD 148 or 158 loader, \$300. Chester Co 215-869-2527

For Sale - 17x40 Harvestore silo & unloader, exc cond. will sell separately, Throughbred Quarterhorse mare, saddlebroke \$850 717-733-4714

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For Sale - JD 3020 power shift Lanc Co 215-445-7610

For Sale - 1 reg Polypay ewe Lanc Co 717-684-3644

For Sale - 1974 VW Beetle, 1 owner, exc. mechanical cond., needs body work, inspected, dependable transportation, 717-528-8555 or after 5 p.m.

Notice - French Alpine buck service Dam over 4,000 lbs milk, can view daughters, \$30. discount to 4-H York Co 717-432-4822

For Sale - 47-bu silage cart, gas hydrostatic, discharges either side, A-1 cond., will sacrifice, Jefferson Co. 814-427-2394 eves.

MAILBOX MARKET

For Sale - Reg. black Angus cows, heifers, bull calves Luz Co 717-752-4040

For Sale - Puppies, mixed, Labrador appearance, need good homes Chester Co 215-347-2329

For Sale - Rubber tire top buggy w/hyd brakes, good cond Lanc Co 215-445-7283

For Sale - Case model 230 baler, like new cond \$775. Lanc Co 717-354-7695

Wanted - 15KW, PTO generator For Sale - 3 pt hook up mechanical transplanter, almost new, Carroll Co 301-756-6290

For Sale - Reg black Percheron mare, 3 yrs old, 17 2 hands, broke & quiet Fayette Co 412-438-7216

For Sale - Reg Morgan mare, 6 yrs old, bred, broke to drive, a man's horse, \$450. Bedford Co 814-766-2325

Wanted - Down & crippled cattle, also aged or crippled horses Warren Co NJ 201-454-4247

For Sale - NH 68 Baler w/PTO thrower, late model feed tines \$750, Lebanon 717-272-0041

For Sale - Frozen egg whites, new taigate cap, 74-77 Chevy, duo-therm parlor heater \$35. Lanc Co 717-367-5822

For Sale - 3 bred sows, 2nd litter, due end of Dec \$250 ea. Leb. Co 717-865-2853 after 5 p.m.

For Sale - Leyland 384 tractor in good mechanical cond w/front end weights \$4500. Leb Co 717-949-3477.

For Sale - '74 Ford pickup, F-100, 4x4, V-8, auto., AM/FM, fiberglass camper, exc cond, many new extras 717-359-4474

For Sale - 24' elevator w/flat rubber belt & elec motor, good cond \$195 York Co 717-235-2032

For Sale - GT34 Terra track w/Carco winch, Cletrac 15 w/blade, & Cat 10 & 30 717-285-5345.

For Sale - NH 320 baler fully equipped, \$4450, NH 278 w/thrower \$2950. New chains 1 pr 13- (15.5)-38 \$95. 215-942-2271 or 215-942-2591

For Sale - Nice Holstein heifer due in early Dec blood tested Chester Co 215-932-2777 or 215-932-8499.

For Sale - JD #55 round back combine complete, for parts cab, 13' grain head, \$300 215-257-9286 after 6 p.m.

For Sale - 4 row JD corn planter, #469, 280 gal gas tank & pump, Timothy & Alfalfa, Hay Bucks Co 215-249-3900

For Sale - 1 fresh Holstein heifer vacc & health charts, feeder pigs & 1 275 lb boar hog Bucks Co 215-249-9136

For Sale - Cattle headgate, brand name "Headhunter" \$90 York Co 717 225-5183

For Sale Maytag wringer washer \$40 double fiberglass laundry tubs \$35. Lanc Co 717-653-5114

For Sale - Charolais-Limousin cow w/calf at side, black Angus herd bull, purebred but no papers. 717-244-9042

Top Quality Hay, Straw, Oats, Steer hay 140 per ton and up, mulch hay Call before 7 a.m. or after 7 p.m. 201-735-8389 or 201-735-4408, days 201-735-8865.

For Sale - 1600 gal. fuel oil tank truck body 215-345-1909 after 7, Bucks Co.

For Sale - All size silo roofs at reduced cost, 717-687-6672 or 768-3095 Lanc Co.

Wanted to Rent - Farmland in Berks, Lehigh or surrounding area. Top prices paid, 215-756-6269.

MAILBOX MARKET

For Sale - 10 hoe Ontario grain drill \$100 JD T40 Baler shaft drive \$500 Leb Co 717-865-2639

For Sale - Ford tractor, model 8N, 4 new tires, snow plow on frt. Chester Co 215-932-2856.

Wanted - Used Riteway Ashley or Hitzer coal & wood burning stove, good cond Benueil S. Fisher, R#1, Box 333, Strasburg, Pa

For Sale - JD 5-ton scissor hoist, exc cond., irrigation pump, 4" suction, 3" discharge, York Co 717-993-3350 after 5 p.m.

Notice - For rent, nice 1 bdrm country apartment Terre Hill area, no smoking, no pets, avail 1/1/84 \$210 plus security. 215-445-6315

For Sale - 9 mo. old solid Appaloosa filly, Prince Plaudit, Bright Eyes Brother bloodlines, \$600; cap for 8' pickup \$25. Berks Co 215-775-3074

Notice - Delight your child's X-mas w/this beautiful & intelligent reg P.O.A filly from Champion shown parents. \$275 Berks Co 215-777-1594

For Sale - 440-40hp Alouette Snowbrute, 440-35hp Alouette Eliminator, 292-24hp Ski-Doo, double wide, snowmobile trailer, in good cond Juniata Co 717-527-4196

For Sale - French eating geese, plump, tender & ready for X-mas dinner, live or butchered, Nor-thampton Co 215-262-4176 or 262-0672

For Sale - Hot water model w/base board radiators capacity 165,000 B.U.T. Norman Martin, RD3, Box 241, Selinsgrove, PA 17870.

For Sale - Iron fence, 175' length, 3' high, 2 gates, good cond 75 yrs old \$5000. Sussex Co De 302-875-2995

For Sale - 140 tractor disk, plow, rotary 2 row corn planter. RD1, Groff Rd Box 60, Millington, MD 21651

For Sale - 12' mounted chisel plow \$895 Trenton, NJ 609-259-2802

For Sale - 10 ton Butler feed bin, needs boot \$200. 3 pt Ford cord wood saw. New Castle Co 302-834-3122

For Sale - 12 Wood S.S 1 1/8" thick, various sizes, like new, ideal for greenhouse, Mont Co \$120. the lot 215-947-2815.

For Sale - ADGA Nubian does & bucks, super pedigrees, all ages, gauranteed stud service \$25 Gettysburg 717-334-7993

For Sale - Case 2290 w/cab, AC, power shift, AM-FM radio, front weights, 600 hrs show room cond Bedford Co 814-784-5608

Wanted - Block on Farmall 340 tractor for parts For Sale - Michigan 175A rear axle Centre Co 814-364-9926 after 6 p.m.

Wanted - Pair of tractor chains to fit 14 9x28 tires in good cond Leb Co 215-589-2169

For Sale - Red Shorthorn Oxen, 5 yr, well matched, anyone can drive, working in woods now, show pair Conn. 203-677-1583

For Sale - Backhoe, long 1199, 3 PH, Cat I & II, 18' bucket, new PTO pump \$1450. Nielsen. Mercer Co. NJ 609-737-3250

For Sale - Classic 1972 T-bird, low milage, no rust, \$1800/best offer, free-standing fireplace, like new, \$135 814-355-7151

For Sale - NH 1010 hay stack wagon \$2800 Seneca Co NY 607-869-9225

Notice - Free new grandfather clock w/Berg barn cleaner, chain or P&D silo UL or Pincor standby-by alternator to the first buyer. 215-445-5309.

MAILBOX MARKET

For Sale - X-mas trees, Blue Spruce & Balsam Fir 5 1/2-20, \$2/foot, large Norway \$1/foot Perry Co 717-444-3344

Wanted - 2 speed axle for Int 1700, 1973, rear axle Wilbur Mackey, 1345 Twin Bridge Rd, Chambersburg, Pa 17201

For Sale - Ford tractor 8000 good cond 1500 hrs w/weights & power wheels, 18-4-38 tires \$9500. 609-451-7127

For Sale - IHC corn planter, new fertilizer cans, \$195 flat bed wagon very good cond. \$385 Perry Co 717-567-3470

For Sale - Gehl grinder mixer Model 55, good working cond \$700 Col Co 717-458-6831

For Sale - 2 York Duroc Crossbred Boars Performance Selected 125 lb \$75 each. Cumb Co 717-423-6620

For Sale - 1 steer & 3 Hereford Heifers 450 lbs 717-637-9068

For Sale - NI 402 hay rake \$675 NI 17 ground drive manure spreader, works good \$575 NI wheels w/tires 717-354-0266

Notice - Will float or file horses teeth in nearby counties Ira Z Stoltzfus, RD8, Box 191, Danville, Pa 17821

For Sale - Int 3200 Hydro-Static skid steer loader, Int 340 crawler loader \$2500 ea 717-523-1974

For Sale - JD 4020 exc cond 215-593-5952

For Sale - Soybean stalks, \$50/ton, Kirkwood Oliver bolt-on bar mower, \$75 Lanc Co 717-529-2937

MAILBOX MARKET

For Sale - Bender milker washer, bedding, chopper w/Honda gas engine. Jonas E Stoltzfus, RD1, Gap, Pa 17527

For Sale - Reg Am Alpine does, bred for spring freshening, milked very well as yearlings. Raymer progeny Northampton Co 215-253-8951

For Sale - Complete rebuilt Int 345 engine, new pistons, rings, capy, manifold, spin on oil filter, etc \$1200. Bucks Co. 215-257-4880.

For Sale - Brillion 10' cultipacker \$295 Tandem axle farm trailer w/15" rubber \$295 both good cond Lanc Co 717-548-2559

For Sale - Fire-damaged JD 4440 tractor, partially restored, exc tractor puller 717-292-4245 eves

For Sale - Reg Southdown rams from our 1983 Premier Exhibitor winning show string Rohrer's Oaks Farm, Lanc Co 717-548-2559

For Sale - JD 630 Tractor, PS, 3 pt exc cond \$2995 Probably nicest low hr 630 around Lanc Co 717-548-2559

For Sale - 4 horse trailer, Glick, good cond. \$1800 Berks Co 215-488-6914

For Sale - TD-9 bulldozer, exc undercarriage, angle blade, complete, engine stuck, no visible cracks. \$1250 Wayne Co NY 315-483-9419

For Sale - 2 Standardbred horses, 1 3yr Escort gelding, 1 13yr Duane Hanover, mark 1.58, priced reasonable, Hunterdon Co 201-995-4741

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MAILBOX MARKET

Wanted - Warm Morning or Kenmore coal stove, good cond. Daniel B Smucker, RD#1, 424 A Peters Rd Gordonville, PA 17529

For Sale - IHC 4 btm trip-back pull plow, \$275. IH 1 pr. cornpicker \$375 gas engine. York Co 717-266-3436

For Sale - Coalmaster, wood & coal stove, Suburban automatic coal heater, used 4 weeks, good cond. \$275. 717-786-2839.

For Sale - Purebred black Angus feeders 400-500# 60 cents/lb. Yellowhouse, Berks Co. 215-689-9168.

For Sale - 1 load Standardbred carriage & buggy horses Lanc. Co 717-354-8745.

For Sale - Church pews w/reversible back, six 14' long, twenty-two 13 1/2' Franklin Co 717-597-3962

For Sale - Bay-Standardbred horse, traffic safe, manners. Abner S Beiler, 370 Newport Rd. Ronks, along 772 near Monterey.

Wanted - 12 hole Smidley hog feeder, good cond Write price & cond Gideon King, #1, Box 427, Gap, Pa. 17527.

For Sale - Weimaraner pups AKC, reas in price, good hunters & watch dogs, born 10-19-83, Perry Co 717-834-3676

For Sale - 57 Packard Patrician, not running, rusty \$300/best offer Schuykill Co 717-366-2938.

For Sale - Mixed hay 4'x5' round bales, \$25 ea 50 mile free del 15 bale minimum. Chester Co. 215-942-3228.

For Sale - Meyer electrolift plow 7 1/2' blade asking \$500. Also Alfalfa hay. 717-469-0394.

For Sale - White 3x16" automatic reset plow, like new cond. \$1975. Lanc Co 215-445-7170

For Sale - 2 Clark make side folding electric opening metal doors, working order John M. Martin, R1, Denver, Pa at Fivepointville.

For Sale - 16-month old Fox Terrier, house trained, shots, wormed, loves children \$30 215-286-9858 around 6:00

For Sale - 10 yr. old Standardbred carriage horse, good for trips Daniel King, Millcreek Rd Bird-in-Hand, Pa 17505 Lanc. Co.

Wanted - Tobacco bale box in good cond. Enos King Jr. RD3, Box 375, Quarryville, Pa 17566 Lanc. Co.

For Sale - Large country home located along East Church St. Reamstown. JD 440 diesel crawler dozer. Lanc Co. 215-267-2606.

For Sale - NI 2 row mounted cornpicker #319 w/12 roll #322 husking bed Lehigh Co. 215-285-6951 after 6 p.m.

For Sale - Pr. 13.6x28 turf tires, good cond. \$75 ea. also 7 ft. mower, Myers-town, Pa. Leb. Co. 17067, 717-933-4619.

For Sale - Log cabin table lamps w/flicker flame. Ideal X-mas gifts. \$80. Berks Co. 215-589-2833

For Sale - 16 month old S-W-D Valiant son. \$700. Jonas B King, RD1, Box 101, Morgantown, Pa 19543.

Fox Terrier stud service 717-354-7186.

For Sale - Peafowl, 6 cocks, 1978 hatch \$50 each, also 1979 chicks, \$10 and up, Westminster, MD 301-876-1235.

For Sale - Reg. Angus bulls and heifers, Orange Gate Angus Farm, Maurertown, VA 22644, 703-459-3414

Wanted - 200-300 gal. holding tank, meat grinder, 30 gal S.S. barrels, castors, S.S. 6 ft table, ratchet press, S.S. sink, 215-862-9148 10-5.

MAILBOX MARKET

Wanted - Heat-house enclosure for J.D. 4230, also bedding chopper, gas or elec. in good cond Centre Co. 814-349-8201

For Sale - NH 55 grinder & mixer, 1 yr old, 8N Ford w/6' scraper blade & mower. York Co. 717-456-5484

For Sale - Int. parts 345 V-8 eng. 4 spd. trans & rear axle assy. 230 Chev eng. Lehigh Co. 215-679-9496.

For Sale - Holstein heifers open & springing & fresh Emanuel B King, RD1, Coopers Drive, Kirkwood, PA 17536.

For Sale - 24" Champion forge, portable, works good, extra set of legs \$100. Jack Foster, Middletown NY, 914-692-5394 eves.

For Sale - 1 kerosene heater, 1 King wood stove, 1 hot water wood Dinky stove, all reasonably priced. York Co 717-225-4187.

For Sale - Sundstrand oil burner heater, model #YA-2, \$40 Lanc Co 717-354-9368.

For Sale - 1957 Chev. Bel Air, exc cond, 1949 Buick, showroom cond. 2-12 ton forage wagons, Huntingdon Co 814-632-5781 eves

For Sale - Pony gelding, 13.2 h, bay, classy, experienced, show pony & hunter, \$800/best offer Chester Co 215-932-4728

For Sale - Quarter horse, well trained \$700 Double horse trailer \$1500 Chester Co 215-942-2657

For Sale - 450 JD crawler bucket \$600 7x16 overhead garage door \$50. Maytag wringer washer \$150. Berks Co 215-488-1541

For Sale - Registered Jersey family cow 2nd calf Milestone - sire, due Dec. 21. Berks Co. 215-856-7331.

Wanted - Set of chains 14 9x24 or bigger Bucks Co 215-723-0386

For Sale - 12 ton 2 compartment feed bin & chicken cage waterers, Jonas E Esh, 534 Willow Rd Lanc Pa. 17601

For Sale - 1,000 to 8,000 bu. corn at Cargill. \$3.95. Franklin Co 717-328-5167

For Sale - Several hundred bd ft of Walnut lumber, dried 5 yrs Franklin Co 717-349-2838.

Wanted - Farm job, South Central Pa area, many years experience, dairy, beef or poultry, married, Christian, George Perry Co. 717-789-4358.

For Sale - Home in Snyder Co. along Rt. 11&15. Ella Rissler, RD#1, Box 248, Port Trevorton, Pa. 17864

For Sale - Oakland Coal Heatrola, similar to small estate, good cond LeRoy Lantz, 85 East Strack Dr Myerstown, Pa. 17067

Wanted - Brownie potato bagger in good cond. Lehigh Co. 215-799-3087

For Sale - Just in time for X-mas reg. Quarter gelding, Bay mare, Sorrel gelding, keep till X-mas. Perry Co. 717-567-9773.

For Sale - Cooking ranges, also room heaters all for wood on coal? 717-354-0251.

For Sale - Oliver 1 row picker very good cond. \$1500. Northumberland Co. 717-538-9692, best time to call 7 AM.

For Sale - UKC Walker male paper, 2 yrs; 67 Chev. 4x4 4 speed trans. Best offer 717-284-3280.

For Sale - Stereo w/AM FM radio, 8-track cassette, record player, 2 speakers, stand, & dust cover, plays good, good cond 717-225-1045

For Sale - Reg. half Arabian 7 month old filly, halter broke. Lycoming Co 717-584-4406 before 12 or after 5.

MAILBOX MARKET

Used Bee Equipment, Inverbrook Apiaries, R D #2 Box 230, West Grove, Pa 19390, 215-869-3353

Build your own pig feeders for under \$10 100# capacity Easy plans, \$2.00 Rt. 1, Box 742, Mardela, MD 21837

MINI LOP RABBITS with papers \$25.00. Very Loveable pets. NZW Rabbits with papers, \$10.00. Cecil Co., Md 301-885-2134.

Wanted - Person live in companion for widow in exchange share home free Westmoreland Co 412-238-4265.

For Sale - Used corn drag, 3 ton bulk feed bin w/auger, 3 phase motor 25H.P., Appoloosa gelding. Chester Co. 215-593-6664.

For Sale - Weaverline 330 feed cart, very good cond \$1800. 814-228-3488.

For Sale - Dilts Wetzel potato seed cutter w/new rubber wheels & gears. Jacob S Stoltzfus, R#2, Peach Bottom Pa. 17563.

For Sale - 4000 Ft Rock Oak, 1" to 1 1/2", also Cherry & Poplar 717-776-3239 after 5 p.m.

For Sale - NH rake #56, steel teeth, \$800 Press wood \$2/sheet, 4x8, 717-626-2920 or 626-6059.

TRUCKS & TRAILERS

MAILBOX MARKET

For Sale - /9 Ford Super Cab, V8, AT, PS, PB, XLT package, w/cap. \$6000/best offer Lanc Co. 717-367-4179

For Sale - Sunbeam coal furnace for parts & oak buffet \$70/best offer Cumb. Co. 717-532-3885.

For Sale - 2 sets rear steel tractor wheels, 1 set for 9N Ford, Gideon Stoltzfus, Blain Pa 17006, Perry Co.

For Sale - 70 A abandoned farm, lots of frontage, timber & fire wood, Farm Credit Service, could help buyer 717-349-7419

For Sale - Used Hammond organ, 2 manual w/pedal board, newer speaker included, exc cond. \$1000 neg Leb Co 717-274-5218.

For Sale - Buck saw w/3 good blades & a long pulley belt \$150 firm Columbia Co. 717-672-2638.

Wanted - 6 cyl. engine for 1957 GMC truck (26,000 gross) has 5 speed trans. Lanc. Co. 215-445-5378.

For Sale - 1977 Plymouth Valir 6, 4 speed on floor \$1750, good, sharp 717-284-2266.

For Sale - New galvanized feedcart, has air tires, \$100. Lanc Co. 717-354-0182.

TRUCKS & TRAILERS

MAILBOX MARKET

For Sale - JD F145H 5 btm 16" semi-mounted plow cover boards & coulters A-1 cond. Lanc. Co. 215-445-6073

For Sale - PTO Winch \$40, 2 farrowing crates \$15 ea Tobacco press \$35. Hay \$1.50 bale. Lanc Co. 717-684-5352

For Sale - 225 AMP P&H D.C. welder w/engine, good cond \$875. 717-656-6109.

For Sale - 3 pt. 8' harrow \$275, complete Farmall cub engine \$275, 250 bales oat hay \$1.25/bale. Schuykill Co. 717-386-5000.

For Sale - 2 snow tires on Ford rims, size E78-14, Lanc. Co. 717-529-2916.

Wanted - Used Beekeeping equip. Amos F. Beiler, Box 153, Mine Rd. Paradise, Pa. 17562.

Wanted - Wrought iron fence, 180' 1 1/2" galvanized pipe, Force pump, Box 254, Route 2, Mt. Pleasant Mills Pa 17853

For Sale - Outside calf hutches, \$75 each, David B. Stoltzfus, Rd 2, Box 282B, Nottingham, PA, take Brown Rd. at Little Britian, second road right.

For Sale - Spring wagons & buggies & horse related items. 301-398-5696 after 7:30 P.M

TRUCKS & TRAILERS

MAILBOX MARKET

For Sale - JD #34 manure spreader \$1100 JD cultimucher \$850. both good cond Lanc. Co. 215-445-6345

For Sale - 8x14 gooseneck trailer, double axle w/brakes, w/plyboard removable sides in good cond. \$1000 Lanc. Co. 717-733-4583.

For Sale - Standardbred carriage mare 10 yr. sound, safe, ideal horse for women or elderly \$650. 717-442-4259.

For Sale - Good quality Orchard & Timothy Mixed Hay, no rain \$110. New Ear Corn \$115 Sch Co 717-345-4489.

For Sale - 1932 Caterpillar model ten exc. cond. \$3200. R.W.Ahn Bucks Co 215-357-9341.

Notice - For rent, mobile home in country, 2 bedroom, \$150 mo For Sale - black lambs, ewes, bucks, Chester Co 215-384-0961.

Wanted - By collector Old photographs, cigarbox labels, magazines, certificates, documents, letters, receipts, I travel! Lanc. Co. 717-560-0639 eves.

For Sale - Nashug doubleheat wood stove w/built in blower circulation system, 350 lbs. best offer Lanc Co. 717-354-0009.

TRUCKS & TRAILERS

MAILBOX MARKET

For Sale - New 6 bin rubber suction hose 18 ft. long \$150.00, Lanc Co., 717-733-8528.

For Sale - Sears - Dual 21-glasslined 52 gal. Electric hot water heater \$50.00 Lanc Co., 717-626-8332

For Sale - Heavy duty trailer, 4 wheels 7 1/2'x16' long, canvas jeep top Wanted - 1936 Ford 2 door sedan. Montg. Co. 215-933-2469.

TRUCKS & TRAILERS

STORAGE TRAILERS AND OFFICE TRAILERS for rent, economical, delivered. 301-771-4529.

1978 International 1750, 466 diesel, 5&2 speed, PS, double frame, 10:00x20 tires, 187" wheel base, 28,000 GVW. 1979 International 1854 S model, 466 diesel, 5&2 speed, PS, double frame 236" wheel base, 27,000 GVW. 1978 International 1800, 446 V-8, 5&2 speed, PS, extra long frame, 254" wheel base, 28,000 GVW. 301-877-9889.

For Sale - RT10 rear, 4:11 ratio, good condition, \$500 or best offer, 302-368-5334.

1971 International 1600 Loadstar, 26,000 GVW, 16" heavy grain body, reasonable. 717-386-4743.



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TRACTORS



1977 GMC JC9540 T/A/D/C 161 WB Cummins Formula 290 276 HP Fuller RT1110 10 spd P/S A/C NEW PAINT! 141,000 Miles



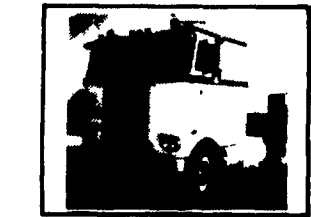
1979 Mack R767ST 175" WB, Form 350 Cummins, RTO 12513, 13 spd Trans P/S, 10 00 x 22 tires, Disk Wheels, Deluxe Interior



1977 MACK R686ST, T/A/D/C 169 WB T676 6 cyl Maxidyne eng 5 speed trans 244 000 miles



1978 Ford LN8000, T/A/D/C 150 WB Detroit 6V92TT Eng RT9509 A 9 spd trans P/S steel disc wheels 11 00x24 5 Tires A/C Reyco Susp 177 000 miles



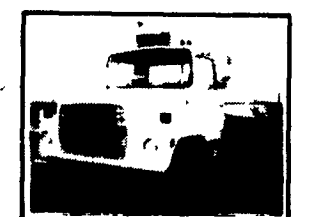
1978 Peterbilt S1A Diesel Sleeper 290 Cummins 13 Spd P/S A/C AM/FM, Engine Overhauled



1977 Ford LN8000 S/A/D/C 250 Cummins 10 Spd P/S A/C Engine Overhauled, New Paint



1977 Ford LN 9000, S/A/D/C 138 WB 6 71N Detroit RT910 Trans 10 speed P/S NEW PAINT!



1978 Ford LN8000, S/A/D/C 150 WB 6 71N Detroit RT910, 10 spd trans P/S A/C 260,000 miles NEW PAINT 178142

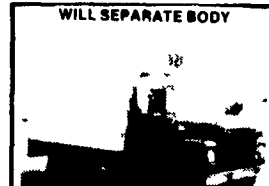
VANS AND REEFERS



(3) 1978 Ford C7000, 24 Cab & Chassis 27 500 GVW CAT 3208 (200 HP) 5 spd Trans 2 spd rear P/S Engines Overhauled



1974 IHC 1700 14 Cab & Chassis 26 000 lb GVW 345 V8 eng 5 spd trans 2 spd rear New 900x20 tires ENGINE JUST OVERHAULED, WILL PAINT YOUR COLOR



1978 Ford LN7000, 14 ft Reefer 27 500 GVW Cat 3208 175 HP Clark 397 V 5 spd 2 sp rear P/S 14 ft Duralite Body 21 000 miles on rebuilt eng New Thermo King Eng & Compressor, New Paint



1978 FORD F-7000 16 Refrig, 27 500 lb GVW Cat 3208, 200 HP Clark 390 5 speed, P/S, Hackney 16 body, Thermo King XMD 50 Diesel NEW PAINT.



1976 Reading 16' Stake Body, Metal Stakes all around, Liftgate Available



1978 IHC 1750, 20 Diesel Van U/G 28 000 lb GVW DT 466 Eng 5 Spd Trans 2 Spd Rear, P/S NEW PAINT! Trans. Overhauled



1978 & 1979 GMC & IHC 12 x 14 Vans, Some Auto Trans, Available with Walk Ramps or Lift Gates, Low Mileage



1981 Morgan T578-18 18' Aluminum Body Roll up Rear Door C/S Door width 92" Height 79 1/2 Full Plywood Lining

All equipment offers no known defects and is available for inspection and road test. Lifetime maintenance records are available for your review. All equipment exceptionally clean & well maintained. Our customers are completely satisfied with their fully reconditioned and recently inspected purchases.

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TRUCKS & TRAILERS

TRUCKS & TRAILERS

TRUCKS & TRAILERS

TRUCKS & TRAILERS

Wanted - Trucks and Storage trailers. We also buy trucks for parts and truck parts, motors, trans. and rears. Gas or diesel. Berks Co. 215-944-9871.

For Sale - 9', 10', 19' & 20' wooden livestock bodies. 20' Morgan van body. 20' van body. M.H. Eby, Inc., Blue Ball 717-354-4971.

For Sale - 1974 city 26 foot aluminum dump trailer. 10.00x26 radial tires. Very good condition. \$8500. Adams County. 717-677-7775 evenings.

Wanted - GMC Army truck, w/auto. trans., running or not, we need a rear "punkin". Also PTO assembly for Oliver 77 or 88. 717-726-3659.

1972 GMC school bus, V6, 56,000 miles, immaculate, always garaged, owner operator, 201-735-8389.

1969 GMC, 478 engine, rebuilt V6 gas, dirt dump bed, 7'x9'x4" many new parts \$4000. Quarryville, PA. 548-2291 after 5.

For Sale - 9, 10', 19' wooden livestock bodies. 20' Morgan van body. M.H. Eby, Inc. Blue Ball 717-354-4971.

For Sale - 1977 Morgan 20' dry van body roll up rear door, good condition \$600. 215-267-5561. Lanc. Co.

TRUCKS & TRAILERS

TRUCKS & TRAILERS

TRUCKS & TRAILERS

1973 IH 1800, 33,000 GVW 5 and 2 speed rear. Power Steering, good rubber. 717-865-6710.

1979 KW model K100, 350 Cummins BC, 1022 bds, 13 speed, 38,000 lbs. rears, 4,000 miles on rebuilt engine, \$26,000. 609-893-8257.

For Sale - 1981 GMC 1-ton crew cab, 4-speed. Must sell. Call Evenings. 717-273-7394.

For Sale - 5 cu. yd. hopper type spreader box. Hydraulic drive, good condition \$550. Also 22 ft. steel dump trailer \$2,200. 717-733-4191.

1978 Mac Cruise liner, COE, 300 HP, 6 speed transmission, engine brakes, wetline, new 11-24.5 tires, 341,000 miles; 1979 Liberty 28' aluminum dump trailer, 10.00x22 tires, new condition, 301-582-0751.

1970 Chevrolet C50, 16' steel dump bed, 350 engine, 2 speed rear, 21,000 GVW, 717-345-4882.

'83 Chevy Scotsdale C10, 4 wheel drive pickup, 305 4 speed overdrive, PS/PB, rally wheels, running boards, 10,000 miles, like new, \$9500. 717-733-2873.

'82 GMC 3500 1 ton cab and chassis, 350 auto., PB/PS, dual tanks, 10,000 GVW, for 12' body, 17,000 miles, \$7900. 717-733-2873.

'81 Ford F250 1/2 ton pickup, 300 6 cyl., auto., PB/PS, dual tanks, new radial tires, \$5650. 717-733-2873.

'81 Dodge 150 1/2 ton pickup, 6 cyl. 3 speed overdrive, PS/PB, AM-FM, 42,000 miles, black, \$4450. 717-733-2873.

1969 D 1000 Dodge truck, 250 Cummins, recent overhaul, 10 speed Road Ranger, tandem axle, air condition and PS; 717-949-3074.

1981 Ford Bronco 4x4, 4 speed, privacy windows, ziebarted, 6 cylinder. Call 717-229-2736.

For Sale - 1974 Ford pickup. 6 cylinder, 3 speed, no rust. Extra nice, \$1650. 717-865-3488.

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Lancaster County, Kirkwood, 47 acres, no buildings, over 40 acres tillable, \$2,500 per acre. Owner financing. Hayes Oxford 215-932-3092, evenings call Tony 215-593-5628.

130 acre dairy farm for sale, Schaefferstown, Lebanon County, PA. 70 cow tie stall barn, 800 gal. bulk tank, 2 silos, 19th century stone farmhouse, 20 year owner financing at 10% interest to qualified buyers. Call Lee Reddinger, 1-717-949-2243. Suburban Realty, 717-273-9358.

Oxford Area, 54 acres, no buildings over 3000 feet road frontage, \$3,000. per acre. Hayes Oxford 215-932-3092, evenings call Tony 215-593-5628.

Dairy Farm, 46 tie stalls, 45 acres, two concrete stave silos 10 x 40 and 14 x 60; 750 gallon tank; near Compass, Chester County; \$295,500. Hayes Oxford 215-932-3092, evenings call Jack 717-354-9534.

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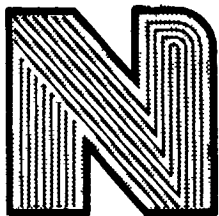
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ac woodland Price
includes farm
machinery 4 BR Brick
Colonial House and a 4
BR frame tenant house
\$600,600

HOSTETTER Realty

Box 2023 A • Gap, PA 17527
442-4114 & 687-8286

Franklin Co. Farms

268 acres modern
dairy w/double 6
parlor, 210 free stalls.

157 acres dairy, 36 tie
stall barn & loafing
barn, \$157,000

105 acres general
farm w/lovely home,
make offer

95 acres grain farm,
excellent land,
modernized brick
home

Also 100 acres of open
land near Gettysburg
w/70 acres tillable.

VanClove Real Estate

Phone: 717-392-3032
anytime

SALE OF VALUABLE REAL ESTATE

Valuable farm land located in Chapman Township, Snyder County, Pennsylvania (between Liverpool and Selinsgrove at McKees Half Falls) with approximately three thousand (3,000) feet of frontage on each side of U.S. Route 11-15 is being offered for sale by the owners.

This property would be an excellent investment as a farm or for commercial or residential development. The real estate consists of one hundred fifteen (115) acres more or less, a two (2) story colonial brick dwelling, barn and other out-buildings. Approximately eight hundred (800) feet of this tract fronts on the Susquehanna River. A two (2) acre pond is situated on the property, and approximately sixty (60) acres of this farm are tillable.

Particulars can be obtained from Attorney Michael Balducci, 39 North Fourth Street, Sunbury, Pennsylvania 17801. Telephone number (717) 286-4398. Appointments to inspect the property may also be made through this office.

Offers must be written and enclosed in an envelope marked "Offer on Kerlin Property". Offers will be opened on December 22, 1983 at 12:00 noon. All offers must be submitted with ten (10%) percent of the offered price which will be returned if the offer is not accepted. Settlement and payment of the balance due on the offer, if accepted, shall be within thirty (30) days of the date of acceptance of the offer. Real estate property taxes to be prorated according to the fiscal year of the taxing authority. Transfer taxes to be divided equally between the Seller and Buyer. Seller reserves the right to refuse any and all offers. Property subject to farm lease until March 1, 1984.

MICHAEL BALDUCCI, ESQUIRE, BALDUCCI & MICHETTI
39 North Fourth Street, Sunbury, PA 17801 Telephone: (717) 286-4398

FARMS FOR SALE...

★ 97 ACRES...Beef Farm...Berks Co...Special Terms

★ 117 ACRES...Gen. Farm...Leb. Co...Special Terms

★ 58 ACRES...Gen. Farm... Dauphin Co.

★ 136 ACRES...Gen. Farm...Northumberland Co.

★ 70 ACRES...Farmland...Berks Co...Special Terms

RICH BRANDT REALTORS

2230 5th St. Highway, Reading, PA 19605
(717) 274-3622 - office - (215) 378-1122

REAL ESTATE

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WANTED TO RENT - CROP LAND

Experienced vegetable growing couple seeks 10-30 acres of tillable cropland. Must be level or nearly level and near irrigation water. Southeastern PA, Northeastern MD, Northern DE. Housing on or near property needed, or permission and proper zoning to site mobile home. Will pay premium cash rent for 3 plus year lease. Call weekdays until 2:00 p.m. or weekends 215-944-0255

WANTED

Farm in Honeybrook Elverson Area

NORTHUMBERLAND CO. Dornsife, Pa.

Nice 3 bedroom house, dishwasher, electric range, more than 14,000 sq ft chicken house, 1st floor concrete, ideal for pigs or steers, elevator, heating system in part, frame bank barn, work shop with daylight basement, 2 car garage on 2 acres East of Dornsife Rt 225

S. LYCOMING CO.

213 ac dairy farm, 130 ac tillable, 62 stanchions, space for 65 more, 133 freestalls, liquid manure pit, 3 lg silos, 4 wagon sheds, stock and eq can be bought. Will sell owner financing

MANHEIM

Lancaster Co.

60 ac general farm, 8 ac pasture w/stream, stripping room & cellar

NITTANY VALLEY AMISH AREA

112 acres general farm, limestone 60 acres farmed, more can be farmed, 28 acres pasture owner financing \$165,000

Donald R. Witwer,

Broker

Ephrata, PA 717-738-1458

GETTYSBURG AREA FARMS

FARM SUBDIVIDED - This 11.689 farmette was recently born from a large farm. It offers a 2 1/2 story frame home and a 45x50 bank barn. House has brick fireplace and a stream goes thru the land. \$52,500 (#11429)

GENTLEMAN'S FARM - Over 25 acres with modern ranch home, large bank barn, with loafing addition, 3 bay equip. shed, tool shed, 3 bay barn equip. addition, horse stable with tack room. Stream thru property and 2 ponds, one stock for fishing. Exceptionally maintained. \$145,000 (#9807)



MARSHALL L. MILLER, INC. REAL ESTATE
717-334-6283 or
Outside of Adams Co.
Call 1-800-443-2781,
Ext. C-53

NORTH CENTRAL PA.

BUSINESS LOCATION Long road frontage on Rt. 15. 24'x24' rustic building with 10'x10' cooler. 6 acres. \$26,900.

10 ACRE parcels. Wooded. Adjoining State Lands \$8,500.

BUSINESS & RESIDENCE Over 1,300 sq. ft. for business. Recently remodeled 3 bedroom apartment. Small rental apartment. Ideal business location. Over 1 acre. \$46,900.

Call 717-724-3232
11 Central Avenue
Wellsboro, Pa. 16901

VARIETY STORE Modern 90'x55' building. Fully equipped. Flourishing business in small village. Owners retiring. \$85,000 plus inventory.

OPERATING DAIRY FARM 400 acres. Over 200 tillable. New 80 cow dairy barn. Fully equipped. Holsteins. 20'x80' Harvestore. \$440,000.

Call 814-258-5127
113 W. Main Street
Elkland, Pa. 16920

NEW LISTING

90 acre Lancaster Co. dairy with pipeline for 30 stanchions & 32 free stalls, 2 harvestors, implement shed, 4 car garage and workshop. Good two story 4 bedroom frame house with modern bath and kitchen. Large tobacco shed, Sandy-Loam soil.

44 acre beef farm, zoned R1, 33 ta, stream through pasture, very nice 4 bedroom farm house bank barn & corn barn, \$125,000.

Also 4 buildings on large broiler farm - 58 acres, 300 hogs - nice 2 story farm house & many other out buildings.

265 acres beef farm, 135 tillable acres TA, 2 silos & stream with 2 story brick home.

93 acre beef farm, frame house and 4 car garage.

37 acres woodland, w/nice rancher. Call Mr. Baum.

Nice 50 cow dairy on 137 acres, 100 tillable acres TA. Stream and pond in pasture. 2 barns, beautiful house.

150 acres, 102 tillable acres, 40 woodland, nice level land, ideal for investment, \$1200 per acre.

24 acres for hunting cabin in Bloomsburg area.

30 acres for hunting cabin, McVeytown area.

FARM & HOME REAL ESTATE

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717-291-2270

Sylvester Baum
Carlisle
717-776-3967

Harlan Keener
Willow Street
717-464-2669

Mahlon Oberholtzer
Lancaster
717-392-1177

Broker-J. Irvin Denlinger
717-898-8962

60 ACRE FARM

with all new buildings, 43 cow stanchion barn, 4 door shop and wagon shed, 30x40 2 story house, 2 miles east of Honeybrook, along 322, Samuel Stoltzfus, RD 3 Honeybrook, PA 19344

LANC. & YORK CO. FARMS

105 acre modern dairy - 40 comfort stalls, pipeline system, new veal calf barn, modern 4 BR home, all facing south at end of long paved drive.

House & Dairy Barn - w/16x50 silo on 12 acres, more land available.

90 acre dairy farm - needs new stable but house, present barn & many outbuildings all in very good condition.

127 acre dairy farm - needs new stable, also 6 BR Brick farm house, bank barn, tobacco shed & more, all in top condition. Quality soil & strong stream thru pasture.

York Co. Showplace - 139 acres w/3,000 sq. ft. Stone Manor House, frame tenant house, bank barn & other outbuildings in good condition. Very private setting adjoining State Game Lands

59 acre truck farm - Immaculate buildings including modernized 3 BR farm house, bank barn, steer barn, implement shed & more

Many other farms available - Call Today!



EMORY D. WAGNER CO., REALTORS

Quarryville Office
786-2131

Willow Street Office
464-4700

NORTHUMBERLAND COUNTY

F2-3-500 R D #1, Paxinos Beef or General farm Total 116 acres with minimum 100 acres tillable. Soils in top condition and good producers. All buildings have been completely renovated or have been erected since 1979. 2 story/2 family, brick farm house also completely remodeled, excellent quality and tastefully decorated. Attractive setting with good access. Call for additional information.

F2-3-501 R D #3, Sunbury Beef or general farm, 63 acres approx 50/55 acres tillable with remaining in fenced pasture. Bank barn and other buildings in excellent condition. Super "B" grain dryer with 2500 Bu wet/900 Bu dry holding bins. Dump pit, grain elevator, 90' leg w/cleaner. Total 63,000 Bu storage capacity. Additional information available.

L2-506 Shamokin Township farm 85 acres total 40/45 tillable & pasture with remaining woodland 8 to 10 acre tract never timbered. 7 room, 4 Br house open for your decorating ideas. Bank barn and equipment shed in fair condition. 7 1/2 miles from Sunbury, priced at \$95,000.

L1-525 R D #2, North'd 139 acres with approx half tillable, 400' frontage on hard surface road. Possibility of return on investment with sale of attractive building sites. Owner will consider assisting in financing. Priced under \$850 per acre.

COLUMBIA COUNTY

L2-3-504 118 acres 70 acres tillable and 48 acres woodland. Excellent access - within 5 miles to Interstate 80 on Route #44 at Buckhorn exit. Property divided by township road and owner would consider separate sales. Priced at below present area sales per acre.



BOWEN AGENCY, INC.
22 N. Market St.
Selinsgrove, PA 17870
(717) 374-2165

Art Bowen
743-7556

Dale Heim
473-3341

Dave Herbst
374-0257

TRAILER park, good income stream, terms, write for details \$161,500. (M1564)
106 AC. beef farm, 2 homes, barn shed, creek, good road. \$95,000 (M1558)

EXECUTIVE retreat, 21 ac. nr. State Land & recreation dams, Private. \$99,500. (M1553)

24.6 Ac., outstanding views, near recreation lakes, retreat or full time living. \$11,750. (M1350)

ERA-Homestead Realty
267 S. Main
Mansfield, PA 16933
717/662-3287

CARPENTERS DREAM or even camp in town. Boro utilities, gas floor furnace & 3,000 s.f. House is at edge of boro. Only \$8,000. (D302)

COW PALACE this 66x170' barn, 81 stanchions, 1500 gal. bulk tank, 2 silos, workshop & garage. 3 bedroom well-kept home. Apartment over workshop. 42 acres. \$150,000. (D301)

PARK OR BUILD on this 2 acre lot in Hector Township. Private road. All wooded. Electric available. \$4,000. (D297)

ERA-Homestead Realty
168 W. Main
Westfield, PA 16950
814/367-2222

20.8 ACRES \$8,500 terms, all woods, Potter County. (W547)

RETIREMENT HOME in Wellsboro, assumable FmHA mortgage, low taxes, well insulated, in good condition, \$34,500. (W606)

CAMP RETREAT, on Pine Creek next to State Land, snowmobile, hunt, fish, raft. Excellent \$27,500 (W635)

57 ACRES, 1/2 woods, spectacular views, near Wellsboro/State Land, Taxes \$65/year. Owner terms at \$29,900 (W652)

ERA-Homestead Realty
23 E. Ave.
Wellsboro, PA 16801
717/724-7161



CENTRAL PENNSYLVANIA FARMS, FARMETTES, LAND & CABINS

We presently have one of the largest selections of farms, farmettes, land and cabins available in central Pennsylvania. We have over 50 exclusive listings.

Our Farm and Land Department would be happy to mail a free, detailed farm and farmette list or land and cabin list to you.

See the November 12 and December 10 issues for a complete farm inventory.

FARM AND LAND DEPARTMENT

Fred Strouse (814) 364-1766
Don Myers (814) 422-8111
Mel Beckley (814) 468-6666

Lancaster Larry W. Platt (717) 888-8883
Shillert Richard D. Reed (814) 838-8271
Shillert Richard Port (814) 888-8194



Frederick J. Kissinger, Realtor
William H. Leonard, Realtor
Ralph F. Brown, Realtor
245 S. Allen St.,
State College, PA 16801
(814) 234-4000

CHESTER COUNTY FARMS

OXFORD AREA - 75 Acre Dairy Farm with large farmhouse, 40 tie stall barn and outbuildings with additional 70 acres available \$300,000

WEST FALLOWFIELD - 88 Acres with large double farmhouse, dairy barn, steer barn and other outbuildings in good condition. Excellent farm with good crop ground \$425,000

SOUTHERN CHESTER COUNTY - 46 7 acre farm in the Oxford Area, house, barn and other outbuildings in good condition. Approximately 35 acres tillable, roughly 8 acres wooded. Convenient to Route 1 and Route 10 \$175,000

ERA ARNOLMONT REALTY

Rt 41 and Rt. 1 ByPass
Avondale, PA
(215) 869-8711
Licensed in
Pennsylvania,
Delaware and Maryland



**SELLING YOUR FARM?****Auction or Brokerage?**

It is your option when you call us.
We will explain both plans and
then you choose. No obligation.

SANFORD G. LEAMAN
Assoc. Broker & Auctioneer

BERKS CO 150 ac. modern dairy 2 lg silos lg new imple shed, farrow house, lg stone farm house, 2nd set of bldgs w/stone farmhouse

ADAMS COUNTY

75 ac 55 cow comfort stall w/pipeline 20'x70' silo, pond, 5 bedroom home

YORK COUNTY

Restored farmhouse, bankbarn w/sheep pens & housing, 53 ac total w/30+ tillable, lg spring fed pond

DAUPHIN COUNTY

54 ac w/36,000 broiler operation could be layers w/cages farrowing pens in bankbarn Good horse farm possible

LANCASTER COUNTY

42 ac. w/creek frontage for irrigation, bankbarn, tobacco shed, ideal as a produce farm.

114 ac. w/modern free stall barn, 12 cow milk parlor, 2-Harvestores & 2- stave silos, lg. pond, rented ground nearby, ranch home and more.

LYCOMING COUNTY

24' x 70' silo, 66 comfort stall bank barn, impl shed, 284 ac w/160+ tillable, 2-5 bedroom houses, priced rite

UNION COUNTY

120 ac. beef farm, lg bankbarn, grain bins, frame home, dairy poss Owner fin

75 ac. w/102 free stalls, 10 cow strip milk stable w/pipeline, partially remodeled home, impl shed, plenty of rented land nearby

230+ ac. modern dairy barn cleaner, pipeline, lg. brick home, modern out bldgs, owner fin in Mennonite area

120 ac. free housing dairy could be comfort stall barn lg modern home

PERRY COUNTY

Amish area 68 ac no bldgs Bldgs and additional land rent poss Bldgs set up for dairy

57 ac. Amish area, barn, woodland and approx 40 ac tillable

MIFFLIN COUNTY

15 ac with cabin, furniture, BEAR, DEER & TURKEY Good hunting

CUMBERLAND COUNTY

75 ac dairy, limestone soil, modern farmhouse, Morgan free stall barn w/bunkfeeder, Mennonite area

60 ac w/bankbarn trench & stave silos Level land no rocks, dairy/steers

NORTHUMBERLAND COUNTY

83 ac dairy, retail shop, 2 dwellings, Amish and Mennonite area Excellent soil

42 ac dairy or steer farm w/lg bankbarn, 1 high moisture silo, 1 reg w/bunkfeeders, brick dwelling In Mennonite & Amish areas

SNYDER COUNTY

110 ac dairy, barn cleaner, 29 stanchions, lg brick home, in Amish area Limestone soil

If you are thinking of buying or selling a farm or farmland call Sandy today. He will be glad to serve you in any county.

**HIGH REALTY CORP.**

1837 William Penn Way

Lancaster, Pa. 17601

717-569-4264

A High Industries, Inc. Company

The Pennsylvania Department of Agriculture is soliciting bids for the leasing of two parcels located at the Laurelton State Farm, Laurelton, PA These parcels may be bid on individually or as a group

PARCEL #1 to include approximately 207 5 acres of cropland and 5.0 acres pastureland for a total of 212 50 acres and the following buildings 2 livestock barn, 1 blacksmith shop, 3 implement sheds, 2 double corn cribs, 1 residence and 2 garages

PARCEL #3 to include approximately 105 6 acres of cropland and 28 0 acres of pastureland for a total of 133 6 acres

For further information and bid proposal package, please contact Mr. Donald M. Unangst, Director, Bureau of Agricultural Development, PA Department of Agriculture, 2301 North Cameron Street, Harrisburg, PA 17110, Phone (717) 783-8460. Last day for requesting bid proposal packages will be December 13, 1983, Bid opening date will be January 6, 1983

NORTHCENTRAL, PA.**FARMS & INVESTMENTS**

Priced
To Sell

Priced
To Sell

BEEF/HORSE FARM

The gentleman farmer or year round operation. 128+ acres with good barns and 3 bedroom house. Pretty setting. Lots of hay ground, much more. \$85,000 with terms. M-578 PH: 717-662-2138

72 COW DAIRY FARM

50 tie stalls, 1 pipeline with 22 ready to hook on, additional 20 heifer stalls, 20x60 and 60x50 silos with unloaders. Approx. 188 acres all but 40 tillable or pasture, pole barn and shop machinery shed, totally remodeled 5 bedroom home. Existing FHA 5% loan for \$95,000. Priced at \$179,500. M-532. PH: 717-662-2138.

Over ¼ million gross, small town grocery store, stocked and equipped, 4 bedrooms 2 baths, apartment above. Reduced to \$125,000. #1950-T PH: 717-265-3171 or 717-265-8903

Hunting ground. With owner financing, near game lands. 82 acres for \$45,000, also 47 for \$25,000. PH: 717-265-3171 or 717-265-8903



Offices: Area Code - 717

Tioga, Potter & Bradford Counties call or write

MANFIELD, RD 1, Box 41 662-2138

TOWANDA, Bridge St 265-3171

OUR #1 AIM IS SERVICE

REAL ESTATE

REAL ESTATE

ATTENTION LAND OWNERS IN LEHIGH AND BERKS COUNTY

Now is the time to make arrangements to lease your farm land for spring 1984.

Rothrock Golden Holstein Farm

215-756-6611

TIOGA COUNTY DAIRY OR FARMETTE

Farm set up in Liberty area for Dairy. Remodeled like new 40 cow barn, w/barn cleaner & 16x50 silo. Could be purchased with or without glass pipeline, silo unloader & Mueller Bulk tank. Tastefully decorated 2 story farm house w/central oil heat. Country kitchen w/woodstove, some hardwood floors, 4 or 5 bedrooms, spacious living room. Could be retirement getaway. W-777 \$70,000

83 ACRE FARMETTE IN MORRIS TOWNSHIP

Used to be dairy until barn recently burnt. Nice partially remodeled 2 story farm house, 4 bedrooms, country kitchen, dining room, family room & bath. Has tremendous views behind house and from other parts of property. Includes heated workshop. Could be subdivided into 2 or 3 parcels if necessary. Excellent hunting area, close to State Lands, could be summer house or camp. W-768 \$73,500

CHESTER COUNTY**CHESTER CO. STONE BARN**

Stone barn in A-1 shape on 6 acres + with pond. Part wooded, some open. Easy access, but not on major Route. Could be remodeled for home or use as horse barn & build your own home. Morgantown area. Ask for Judy — 724-5921 or 724-2773



THE REAL ESTATERS OF WELLSBORO

120 East Ave., Wellsboro, PA 16901

717-724-5921

Call or write for free list.

**BERKS COUNTY**

111 acres, 85 t., general farm, features 2½ story double stone home. Set back from road, 12 rooms, 2 baths Lg. bank barn, wagon sheds and much more. Boyertown area. \$280,000

208 acre dairy farm, 60 stall barn, pipeline milker, bulk tank, barn cleaner, 20 x 60 silo w/loader, large 2½ story home w/4 bedrooms, large eat-in-kitchen, living room, summer house, all for \$325,000.

67 acre turkey farm, features eloquent 2½ story colonial large modern eat-in kitchen, large formal dining room, center hall, formal living room, family room, 4 bedrms., 3 baths, 4 car garage, quest house bank barn and 240x70 broiler house, 260x52, 160x52 and 150x52 turkey houses, feed bins and much more all for \$350,000.

MONTGOMERY COUNTY

55 acre general farm featuring lovely log & stone home w/modern kitchen, center stairs, 5 rooms with livingroom fireplace, 5 bedrooms & bath, 2 car garage, bank barn, 2 machine sheds, corn crib, silo & much more. A very lovely setting, \$300,000 reduced to \$240,000.

JUNIATA COUNTY

58 acre, open and wooded, 2 story brick home, kitchen, living rm., dining rm. & bath, and 3 bedrooms, stable and corncrib, good hunting-fishing area, \$68,000.

OTHER FARMS AVAILABLE

Please Call and Tell Us Your Preference

PAUL M. LONGACRE

Rt. 100 Hereford, PA 18056

Ph: 215-679-5919

SNYDER COUNTY

65 Acre general farm w/88x45 barn w/block addition. Large 90x36 implement shed, lg combination corn crib & shed Lovely 2½ story home w/kitchen, dining room, living room 3 bedrooms & bath Completely remodeled \$125,000 #344.

BRADFORD COUNTY

100 acre, 80 T dairy farm, features 54 stall barn, barn cleaner, 16x50 and 16x60 silos, 20x30 Harvestore silo, w/unloaders, 60' bunk feeder, large pole barn, 800 gal bulk tank, lovely 7 room home w/modern kitchen and bath, all for \$150,000. #376

225 acre 147 T dairy farm w/new 42 stall dairy farm barn. 800 gal. tank, 2" pipeline, barn cleaner, 6 concrete silos w/unloader & feed mixers, good 2½ story colonial house w/10 rooms and 2 baths and outbuildings \$225,000.

235 acre dairy farm, 125T, 3 bedrm brick ranch house w/large l.r., kitchen & bath. Features new 50 cow stall barn w/pipeline milker, bulk tank, etc. 2 story bank barn for dry cows & heifers, 14x40 and 20x60 silos and bunk feeder, \$300,000.

BUCKS COUNTY

67 acre dairy farm, 2½ story colonial w/large living room, dining room, kitchen, powder room, 4 bedrms. & bath, 30 stall, silo, 3 car garage w/ apt., heifer barn, \$215,000. #367

145 Acre jug milk farm superb facilities, lg. store & sales area, 3500 gal. milk holding capacity, modern processing facility including ice cream making, 185 cow free stall, 5 lg. silos, lg. heifer facility, 2 double houses & 1 single home, shop, storage sheds, outbuildings, 200 cows, 250 heifers, full line of machinery additional rental acreage available. Call for details. \$1,500,000.

70 acre 60T dairy farm, features lovely 2½ story stone home, modern kitchen, living room, dining room, 5 bedrms., bath, sits back from road, 36 stall barn, silo, barn cleaner, bulk tank, Quakertown area, \$240,000.

171 Acre jug milk farm w/good sales store, double 6 low line parlor, 120 free stalls, 3000 gallon milk holding capacity, 20x80 & 30x60 silos, 100' & 70' bunk feeders, large 6 bedroom home, completely modern, lovely 2 bedroom ranch. Also full line of cattle & machinery available. Call for details. \$650,000. A 358.

100 acre general farm w/large brick 5 bedroom home, 1½ baths, in good cond, large 2 story bank barn, 20x60 concrete silo w/unloader & lots of frontage (adjoins 171 acre farm) \$348,000

SUSQUEHANNA COUNTY

102 acre w/14 acre pond, modern 4 bedroom brick ranch house w/kitchen, l r, fireplace, d r. and 2 bedroom apartment 2 insulated cabins, on pond, 20 minutes from Elk Mountain, \$160,000

520 acre dairy farm, w/120 acre approved land fill, 165 acres tillable, new 69 tie stall barn, 20 free stalls, modern milking parlor & liquid manure system, 2 large sheds, large main dwelling & 2 double houses and trailer. 24x65 concrete silo, 20x80 and 20x40 Harvestore silos, 105 cows, 35 heifers, 3 large bull dozers and full line of machinery, lock stock & barrel \$1,200,000.

COLUMBIA COUNTY

180 acre dairy farm, 118 tillable, 36 stalls, bulk tank, several sheds & second small barn, corn crib, 2 silos & grain storage bins. Lovely 2 story farm house with 9 rooms & 1½ baths, remodeled. Slightly rolling & level good ground. \$225,000, make an offer, reduced \$175,000. #310.

187 acre dairy farm, 170 T, pasture w/stream, 2 solid and lovely farm houses, 130 free stall barn, 70' bunk feeder, harvestore and concrete silos w/unloaders, 2 large trench silos, large machinery shed, 2 large heifer sheds and much more. \$530,000.

SCHUYLKILL COUNTY

234 acre woodland tract, joins state gamelands, borders Rt. 80 & secondary road, Pine Grove area, good hunting area, call for details, \$175,000.

NEW JERSEY

80 acre dairy farm, gently rolling to level, streams & pond. 2½ story home with 4 bedrooms & 2 baths, large remodeled kitchen, dining rm., & laundry. 60 stall barn & 80 freestall milkhous, bulk tank, large shop, new large machinery shed & corn crib, 14x40 concrete silo & 200x25 trench silo. \$250,000.

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Refrigerated Receiver

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Milk Coolers
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TRAINED DISTRIBUTORS
offer **INSTALLATION AND**
24-HOUR SERVICE to
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... A difference in quality. Since Mueller introduced its Refrigerated Receiver more than two years ago, it's made some remarkable differences.

Milk temperatures lowered from 95 to 40 degrees without agitation. Improved butterfat. Bacteria counts down to between 10,000 and 15,000 units. More efficient cooling. Easy to clean. Overall improved quality. Enhanced taste and smell.

Isn't it time for you to join the growing number of dairymen testifying to the improvement the Refrigerated Receiver has made in their operations!

We Mueller distributors know the Refrigerated Receiver can make a difference in your operation, too. Just ask us how.

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614 Penryn Rd.
Manheim, Pa. 17545
PH: 717-668-3525

Rt. 3, Box 437A
Quarryville, Pa. 17566
PH: 717-786-1617

Rt. 1, Box 466
Palmyra, Pa. 17078
PH: 717-469-2674

**Dairyland Sales
& Service**
RD 2, Box 18
Troy, Pa. 16947
PH: 717-297-4128

Fisher Repair Shop
RD2, Box 116
Loganton, Pa. 17747

Franklin D. Hess
Farm Equipment
RD 2
Orangeville, Pa. 17859
PH: 717-925-6939

Joe's Service Center
RD 2, Box 39
Belleville, Pa. 17004
PH: 717-935-2712

K.C. Dairy Service
RD 2, Box 2332
Mt. Bethel, Pa. 18343
PH: 717-897-5141

**Longacre Electrical
Service, Inc.**
602 Main St.
Bally, Pa. 19503
PH: 215-845-2261

J & M Machinery, Inc.
RD3, Box 147
Greensburg, Pa. 15601
PH: 412-668-7850

**Martin's Dairy
Service, Inc.**
RD2, Box 197
Troy, Pa. 16947
PH: 717-297-3972

**Martin's
Refrigeration Service**
1122 Woodstock Rd.
Fayetteville, Pa. 17222
PH: 717-352-2783

**Northampton
Farm Bureau**
300 Bushkill St.
Tatamy, Pa. 18085
PH: 215-258-2871



**Penn York
Refrigeration**
RD1
Knoxville, Pa. 16928
PH: 841-326-4496

**Shartlesville
Farm Service**
RD1
Hamburg, Pa. 19526
PH: 215-488-1025

**Singer's Appliance
Service**
RD5, Box 195
Montrose, Pa. 18801
PH: 717-934-2142

**Wehr's Dairy
Equipment**
RD2, Box 85
Mifflinburg, Pa. 17844
PH: 717-966-1396

DELAWARE

**Bennett Machine
Company**
1601 South
Dupont Boulevard
Milford, DE 19963
PH: 302-422-4837

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Gardner's Electric
217 State St.
Elmer, NJ 08318
PH: 609-358-7271

NEW YORK

Charles Olin & Sons
575 Philo Road
Elmira, NY 14903
PH: 607-796-2186

MARYLAND

**Dairymen, Inc.
Middle Atlantic
Division**
600 Liberty Rd.
Sykesville, MD 21784
PH: 301-795-2727

**George M. Priest, Jr.,
and Sons**
RD8, Box 142
Hagerstown, MD 21740
PH: 301-733-6661
301-797-3921

VIRGINIA

**Dairymen Speciality
Co. Inc.**
RD8, Box 4
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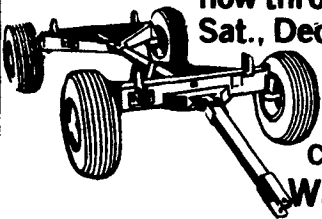
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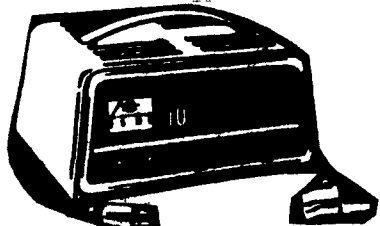


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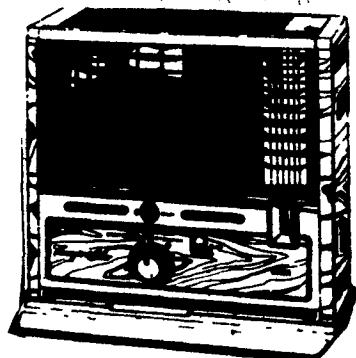


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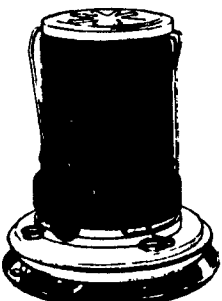
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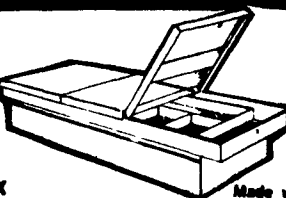
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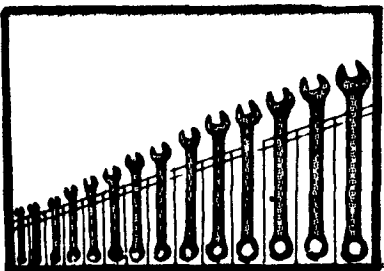
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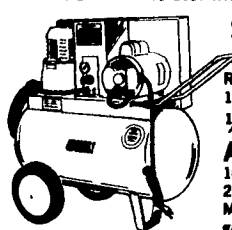
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Pa. Extension honors top staff members

Schaefer is named honorary county agent



Mrs. Mary Grim, of 200 East King St., East Berlin, receives Friends of Extension Award presented by the Pennsylvania chapter of Epsilon Sigma Phi from Robert Nuss, Penn State professor of ornamental horticulture extension and awards chairman.

Friends of Extension Award to Mary Grim

UNIVERSITY PARK — Mrs. Mary Grim, of 200 East King St., East Berlin, has been named recipient of the 1983 Friends of Extension Award presented by the Pennsylvania chapter of Epsilon Sigma Phi, national honorary extension fraternity.

She received the award, a plaque, Nov. 16 at the chapter's annual meeting in State College.

"The award is presented to an individual who has made significant contributions to Cooperative Extension Service programs," said Robert Nuss, professor of ornamental horticulture extension at Penn State, awards chairman.

Mrs. Grim was cited for her leadership in the Pennsylvania Council of Cooperative Extension Associations (PCCCEA), a group of lay leaders from the Commonwealth's 67 counties, who advise and support Extension programs at local, regional, and state levels.

Currently president of PCCCEA, the award winner also is a member of the staff power planning task force, studying Extension staffing

procedures in the next 10 years. Along with other board members, she makes numerous trips to Harrisburg and Washington, D.C., visiting with legislators and others in an attempt to strengthen Penn State's funding position.

When PCCCEA was organized, Mrs. Grim became a board member and secretary of the Capital Region. She helped establish an area farm management agent position in the region.

As president of the Adams County Extension Service executive committee, the award winner worked closely with the county commissioners in securing additional space for the Extension office. She and other members of the executive committee were influential in establishing a county-funded youth and family living agent position in Adams County when University staffing formulas resulted in the elimination of one position.

Mrs. Grim also serves as a 4-H leader and teaches several projects.

UNIVERSITY PARK — William F. Schaefer, of Tunkhannock, retired manager of Sire Power artificial breeding cooperative (formerly NEBA), has been named an Honorary County Agent by the Pennsylvania Association of County Agricultural Agents.

Schaefer was honored Nov. 17 at the county agents association annual meeting in State College.

"The award is presented to an agricultural leader who has contributed to educational programs of Penn State's College of Agriculture," said Murray W. Fisk, Wyoming County Extension director. "Bill Schaefer has worked closely with county Extension agents and Penn State specialists in promoting and conducting agricultural and farmer cooperative programs."

The Honorary County Agent, who retired in 1974, started his agricultural career in 1927 when he was employed as a Dairy Herd Improvement Association supervisor, a position he held for 10 years. He then worked as a herdsman and in 1943 was named manager of the Southeastern Pennsylvania Artificial Breeding Cooperative.

In the mid-1940s he became manager of NEBA at Tunkhannock and built the cooperative into one of the most efficient operations in the nation, Fisk pointed out.

Interested in improving forage production in northeastern Pennsylvania, the award winner worked closely with Penn State agronomists in establishing numerous grass and legume testing projects on the cooperative's farmland.

Schaefer provided leadership in the Pennsylvania Association of Farmer Cooperatives, serving as treasurer and co-editor of the organization's newsletter, "Comment."

He is active in numerous local civic organizations and is author of two books on agriculture and the farmer cooperative movement.



William Schaefer, third from left, receives Honorary County Agent Award from, left to right: Murray Fisk, Wyoming County Extension director; James Bochy, Somerset County Extension director, awards chairman; and right, William Kelly, Westmoreland County Extension director, association president.

Gets secretarial award



Mrs. Helen A. Packer, of 139 Spruce Street, Pleasant Gap, secretary in Penn State's Department of Agricultural Communications, was recipient of the Secretarial Award presented by the state chapter of Epsilon Sigma Phi, national honorary extension fraternity. Presenting award is Harry A. Carey, Extension exhibits specialist. Mrs. Packer, a 10-year employee in the department's visual aids section, developed computerized recordkeeping systems for the educational materials sales program. She also handles clerical duties for six full time faculty and staff. The award winner was selected from among secretaries in the 67 county Extension Service offices and Extension sections in College of Agriculture departments.

1984 fraternity officers



1984 officers of the state chapter of Epsilon Sigma Phi, national honorary extension fraternity, elected at the organization's annual meeting Nov. 16 at Penn State, are from left: Walter W. Johnson, Extension forest resources specialist at Penn State, president; Patricia L. Huff, Dauphin County Extension home economist, secretary-treasurer; and R. Blaine Schlosser, Crawford County Extension director, president-elect.

Conservation meeting set

ANKENY, Iowa — "The Golden Anniversary of Soil Conservation" will be the theme for the 39th annual meeting of the Soil Conservation Society of America, July 29 - Aug. 1, 1984, at the Sheraton-Century Center Hotel in Oklahoma City, Okla.

The program will review the first 50 years of the soil and water conservation movement and examine the challenges facing the movement in the years ahead. A call for papers has been issued that requests presentations on the history of soil and water conservation or on subjects relating to (a) conservation policy development; (b) governmental

roles; (c) conservation program structure and implementation; (d) technological developments and their implications for conservation; (e) socioeconomic factors that inhibit or encourage conservation; and (f) research needs.

Chairman of the Program Committee for the meeting is Richard L. Deusterhaus, assistant chief for the midwest with the U.S. Department of Agriculture's Soil Conservation Service in Washington, D.C. Leonard A. Solomon, executive director of the Oklahoma Conservation Commission, Oklahoma City, will head the local Arrangements Committee.

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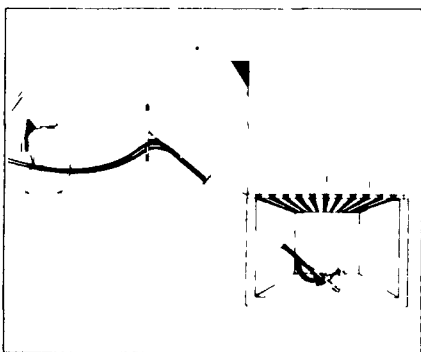


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Two specialists cited

Two Extension specialists at Penn State received Distinguished Service Awards Nov. 16 in State College from the state chapter of Epsilon Sigma Phi, national honorary extension fraternity, for outstanding educational programming. Stanley G. Gesell, center, professor of entomology extension, was cited for his work in areas of integrated pest management. Alan A. MacNab, right, professor of plant pathology extension, was honored for his small fruits and vegetable disease prevention programs. Jane B. Markefka, Juniata County Extension director, made the presentation of awards.



New Worker Achievement Award



Mrs. Natalie M. Snyder, right, coordinator of Cooperative Extension Service family living programs in Montour, Northumberland, Snyder, and Union counties, was recipient of the New Worker Achievement Award presented by the Pennsylvania chapter of Epsilon Sigma Phi, national honorary extension fraternity. Presenting a plaque at the chapter's annual meeting in State College Nov. 16 is Nancy L. Hogg, Franklin County Extension home economist and awards chairperson. The award is presented to a staff member with two or less years of service and who has developed outstanding educational programs. Mrs. Snyder was cited for her work in the areas of family life and health education. She has been a member of the Penn State staff since January 1982.

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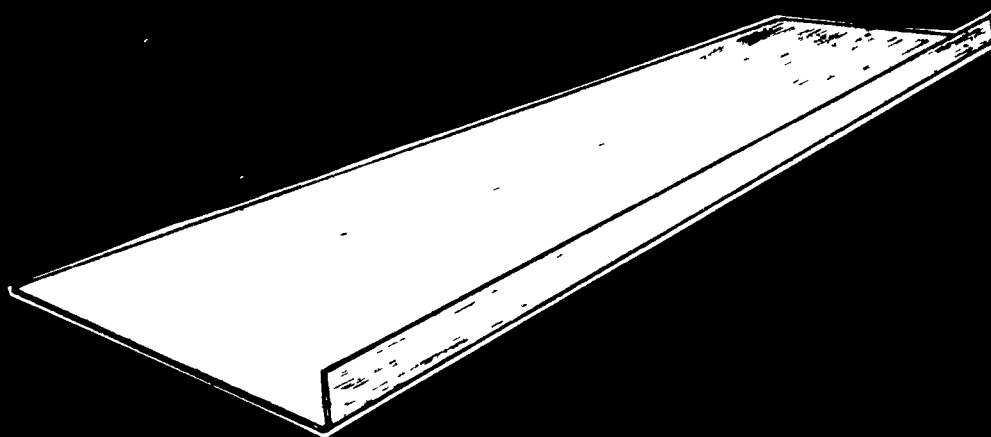
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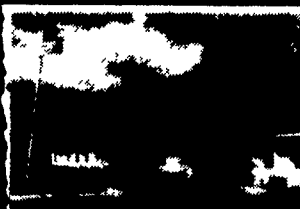
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County ag agent officers



The Pennsylvania Association of County Agricultural Agents installed new officers and directors at the annual meeting Nov. 17-18 on the Penn State campus. Officers seated left to right are Jacob Guffey, Treas., David Fowler, Vice-President, Robert Hetrick, President and William Messersmith, Secretary; standing, left to right, William Kelly, Past-President, Gordon Walker, William Shuffstall, Blaine Schlosser and Alton Homan, Directors.



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Farm Talk

by

Jerry Webb

Delaware Extension

If multimillion-dollar corporations can merge and find some mutual advantage in that arrangement, why can't farmers do the same thing? You read in the business press quite often about corporate mergers, but whoever heard of farm mergers? That's because it seldom happens. Oh sure, some farmers buy out other farmers as they retire, or perhaps father and son or two brothers decide to join their operations for mutual benefit, but the standard business merger seems almost unthinkable to the fiercely independent American farmer.

At least that's the way things used to be. Times are changing, even in rural America. Farmers are seeking other kinds of business organization besides the traditional one-man family farm. More and more conversation these days centers on the larger-than-family farm organizations that seem to be gaining strength. These units are using a variety of business techniques to provide the economic leverage they need to be profitable. So why can't some of these larger-than-family farm units be made up through mergers?

Two North Carolina farmers have done just that. They took two smaller units and legally merged them into what quickly became a big operation.

Ronald Hawkins and Bill Toney were neighboring farmers who traded work and shared equipment now and then and finally realized that their philosophies, goals and interests were quite similar. So they sat down and plotted a formal merger that would take advantage of the strengths of both farming units for the mutual good of the overall operation.

Both men started farming on a part-time basis in the early 1970s without inherited land or equipment and without the advantage of working into existing farms. Both were expanding their farming operations and know-how gradually, but neither felt they were making progress rapidly enough.

Before the merger, each was farming about 300 acres of corn, soybeans and wheat. But after throwing their equipment inventories together and purchasing a couple of additional items, they were able to expand to a total of 1,400 acres. Not only did they gain the

economic advantage of more equipment without more investment, but they gained the moral support of each other. That allowed them to make some rather bold business decisions that might have otherwise been almost overwhelming. Maybe it's as simple as having someone there every day whose judgment you trust—a counselor, a listener, another expert to react to your ideas.

However you categorize that moral support, it allowed Hawkins and Toney to take some big steps. In addition to renting another 1,000 acres of cropland, they bought a new 125-horsepower tractor and several other pieces of equipment. They purchased a 217-acre farm and are currently developing a 100-sow feeder pig operation. They also leased a 22,000 bushel grain storage complex and a local repair garage where they maintain their own equipment.

The advantages of merger are many, including increased buying power, improved selling power, the ability to use larger equipment and to spread an equipment inventory over many more acres. Of course the disadvantages include some loss of freedom, shared decision making, restrictions of prearranged merger agreements, and the complexities of operating a much larger farm involving two families.

For the North Carolina farmers the merger was fairly easy because of the amount of rented land involved and the fact that both had similar equipment inventories. As a result there wasn't a lot of haggling over who was putting the most in or who was getting the most advantage.

Other farmers have merged for somewhat different reasons. For instance, a grain farmer and a dairy farmer merged to give the grain farmer an outlet for his crop and the dairy farmer a source of much needed feed. Two dairy farmers merged so that one could grow crops while the other tended livestock. The list of combinations and options on this farm merger theme is virtually endless. And who's to say a merger has to be just between two farmers? Maybe three or four could pool their resources and knowledge in a legal way and thus strengthen the farming positions of all of them.

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Researchers seek better control of gnats

DENVER, Colo. — Because gnats bite farm animals, millions of dollars in potential U.S. exports of livestock and semen for artificial insemination are lost each year.

Scientists at the U.S. Department of Agriculture say the losses occur when the gnats bite sheep and cattle, transmitting a viral disease called bluetongue. Technically, the gnats are biting midges named *Culicoides variipennis*.

These bites, multiplied into the millions, cost the livestock industry an estimated \$30 million yearly in exports, say the scientists.

According to research veterinarian Dr. Thomas E. Walton of USDA's Agricultural Research Service in Denver, Colo., identifying infected animals is not easy and that makes it hard to cut the losses. The research agency is doing the research in cooperation with USDA's Animal and Plant Health Inspection Service and Foreign Agricultural Service.

Elusive disease

Walton characterizes bluetongue as "an elusive and complicated disease" that strikes sheep, cattle, goats, and even such wildlife as deer. What makes the disease elusive, Walton says, is that an infected cow or sheep, for example, may show no clinical signs at all.

Infected sheep may have a blue, swollen tongue, as well as swollen ears and lips, says Walton, but not always. Most adult victims recover, although pregnant ewes may die.

Walton says bluetongue becomes obvious, and a deadly serious disease, when affected animals lose their offspring through spontaneous abortions, stillbirths and birth defects. Some of the

offspring that do survive may look healthy but may be long-term carriers of the disease.

Walton, who heads the research agency's Arthropod-borne Diseases Research Laboratory, is one of a team of scientists searching for keys to the disease.

Currently, the team is focusing its research on identifying and understanding the bluetongue virus itself.

23 strains

"What complicates the research," Walton says, "is the fact that, worldwide, the virus exists in 23 known strains, called serotypes. That's equivalent to saying bluetongue is 23 separate diseases in terms of the animal's susceptibility."

Similar situations exist in humans. One polio vaccine protects people against only one of the three polio types. For full vaccination, people must be vaccinated three times.

Until this year, only four bluetongue virus strains were found in the United States. Just this spring, a fifth serotype was isolated from blood samples from Florida by veterinarian Dr. T. Lynwood Barber and microbiologist Dr. Ellen Collisson of the Denver laboratory. The blood samples were collected by Dr. E.P.J. Gibbs, a veterinarian at the University of Florida.

Second carrier

Laboratory researchers there and other experts had thought that only one primary carrier, the *Culicoides variipennis* midge, transmitted the disease in this country. As a result of the isolation of the new serotype, Barber has confirmed the existence of a second midge carrier. *Culicoides insignis*.

"They are not just flying syringe

"Walton says. "They (gnats) become infected too," he adds. "But apparently they are not hurt by the presence of the virus, even though it reproduces within the gnats' bodies, sometimes in surprisingly large quantities."

One mysterious feature of the bluetongue disease is called "showering," says Walton.

With showering, an animal may be harboring viruses in an inactive stage within its body, so scientists may not be able to isolate the virus from the animal's bloodstream.

A special stimulant, or stress, can reactivate the virus to enter the animal's bloodstream. Saliva from a midge bite is such a stimulant.

Virus showers

When a gnat bites a carrier, the virus showers into the blood stream. The next gnat to bite the host subsequently contracts the infection and passes it along.

Viruses that go dormant and then become reactivated are common. An example in humans is the Herpes virus that causes cold sores.

Bluetongue isn't always passed by gnats, however.

"The disease also can be passed to the offspring from either infected parent," says Walton, in a process called vertical tran-

smision. Uninfected cows can contract bluetongue through natural or artificial insemination; the latter is a routine practice of the cattle industry.

Walton figures that, for the industry, bluetongue is the second most common restriction to free international movement of livestock after foot-and-mouth disease.

Big losses

USDA analyses indicate the U.S. loses \$10 to \$15 million yearly in exports of both cattle and semen to New Zealand and Australia because of bluetongue and another \$10 and \$15 million in exports of cattle to the United Kingdom.

In other cases, producers must test and certify animals for export to be free of bluetongue, at a cost of about \$1,000 for a 100-head herd. Members of the European Economic Community have virtually closed their markets to U.S. cattle and sheep, a problem that might be solved by finding a way to control bluetongue.

Researchers for USDA, land-grant universities, industry and foreign countries are working to create a vaccine that will enable livestock producers to protect herds against the disease.

Scientists may be able to use monoclonal antibodies and genetic engineering technology to produce

a safe artificial vaccine against the bluetongue virus.

Breeding resistance

Another strategy for control may come from entomologists at the Denver laboratory. They are studying the possibility of breeding resistance into native gnat populations.

In laboratory studies there, researchers have established that some midge populations are more likely than others to cause an outbreak of the disease among livestock.

Laboratory colonies of gnats vary from five to 85 percent in their susceptibility to the disease. According to Walton, susceptible midges might be bred to make resistant types to decrease their virus-carrying capability.

Temperature seems to limit how far the gnats can carry the bluetongue virus. *Culicoides* carriers are known to range from the Arctic Circle into Mexico and Florida, but the gnats do not transmit the disease in New England or in states bordering the Great Lakes.

Currently, Walton says, the best control is an integrated pest management approach that combines pesticide application and water management of breeding sites where female *Culicoides* lay their eggs.

Lancaster FFA hosts

German exchange students



Members of the German Rural Youth Organization toured Atlantic Breeders Cooperative Wednesday as part of a 14 day exchange tour to the United States. American FFA youths and their families are hosting 18 German exchange students. While in Pennsylvania the group is being hosted by students in the Garden Spot, Ephrata, and Twin Valley FFA chapters. Pictured are, from the left, Irmtraud Tiemann, Reinhold Meisterjahn, Baerbel Reibold, Bernd Maier, Hansjoerg Rueede and Gerhard Henn.

The group also toured the Sperry New Holland Museum and Victor Weaver plant. Before returning to West Germany they will sight see in Washington, D.C. and New York City.

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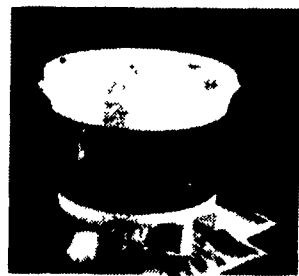
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Goats may help arthritis victims

PULLMAN, Wash. — Medical researchers have long thought - but never been able to prove - that rheumatoid arthritis may be caused by a mysterious virus that is gone by the time the disease's crippling symptoms appear. Now, ARS scientists have identified a virus responsible for a similar disease in goats and are investigating its potential as a model for the human ailment.

Caprine arthritis-encephalitis (CAE), sometimes called "big knee disease," may infect more than 80 percent of the U.S. domestic dairy goat population. Although the disease surfaced in the 1960's, not until 1977 was its cause identified as a retrovirus - a virus that persists throughout the life of the host and produces the disease only after a long incubation.

"This is the only virus to date that's been proven to cause chronic arthritis in a mammal," says veterinary researcher D. Scott Adams, Pullman, Wash., who led the team of researchers making the discovery.

Adams believes that CAE virus in goats can serve as a model for rheumatoid arthritis in humans and that a better understanding of one could lead to a better understanding of the other. Adams and his team are working with the rheumatology section of the University of Washington's medical school in Seattle.

"Though a vaccine against CAE has yet to be found," says Adams, "control measures have been developed."

CAE is transmitted to newborn goat kids mainly through colostrum and milk from infected mothers. Adams' research team has found that heat can kill the virus without harming protective antibodies in the colostrum. (Though pasteurization and subsequent processing inactivate the CAE virus, there is no proof that CAE is not transmissible to humans.)

"Separating kids from their mothers at birth and feeding them colostrum that has been heated for 1 hour at 56°C (133°F), and pasteurized milk until they are

weaned, prevents further infections and can eventually eradicate the disease from a herd," says Adams. Contact between does and kids should be kept to a minimum, he adds, as some transmission could occur through a mother's saliva and other secretions. "Uninfected goats should be kept separate from infected goats as much as possible for the same reason."

CAE-infected adult goats may suffer from the swollen, disfigured joints of arthritis, and kids may show symptoms of encephalitis and progressive paralysis. However, only a few goats - about 3 percent in this country - ever show any signs at all of the disease. But even without symptoms, infected goats can transmit CAE, creating a major problem for the U.S. goat industry. Developing nations that import goats from the United States have a low prevalence of the disease and are anxious not to see their fortune changed.

A situation recently arose where symptom-free but CAE-infected

goats from the United States were accidentally introduced into Kenya as part of an aid program to improve goat production. Three years later a large proportion of the goats developed CAE disease and the U.S. Government sent

Adams there to help. Using procedures developed in the experiments of his research team, he was able to bring the disease under control and prevent it from spreading to Kenyan herds.

Bee pollen contains pests

COLLEGE PARK, Md. — How do new and potentially harmful insect pests get into the United States?

According to scientists at the University of Maryland and the U.S. Department of Agriculture, one of their passports may be the thousands of pounds of bee pollen the U.S. health food industry imports into this country each year.

"Pollen collected by bees is an attractive shelter and food source for insects and mites," says Charles Reichelderfer, associate professor of entomology at the University of Maryland.

"Many small insects get trapped in the harvested pollen and are able to survive shipping conditions from another country to this country," adds Reichelderfer.

In a recent survey, the Maryland entomologist and two USDA scientists examined 509 samples of bee-collected pollen.

Of the 49 samples from imported sources outside the United States, 32 contained insects and mites, according to Reichelderfer.

Although they found insects in more than 65 percent of the foreign samples, only two types of mites and "a few parasitic wasps" could be considered "illegal aliens," says Reichelderfer. The remaining types of insects were also found in pollen samples coming from the United States and are common in this country.

Even so, Reichelderfer says the possibility exists that new and potentially harmful insect pests could be introduced to this country in imported bee pollen.

Equally hazardous is the potential for introducing new and foreign diseases to bees in this country, Reichelderfer adds.

He says some of the survey's imported pollen samples contained indications of diseases harmful to domestic bees.

He and USDA scientists recommend that all pollen be treated at harvest time using a process that includes air drying and freezing the pollen, then removing small bits of plant debris on which insects lay their eggs.

Control Feeding

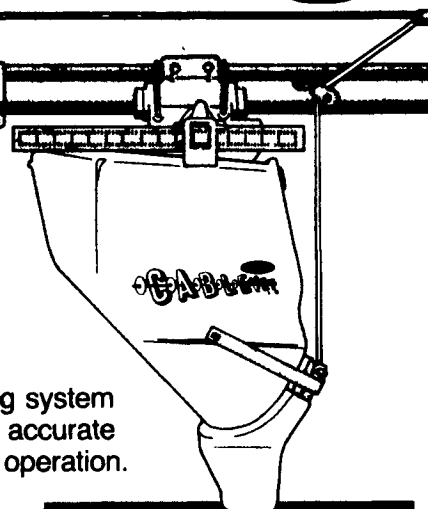
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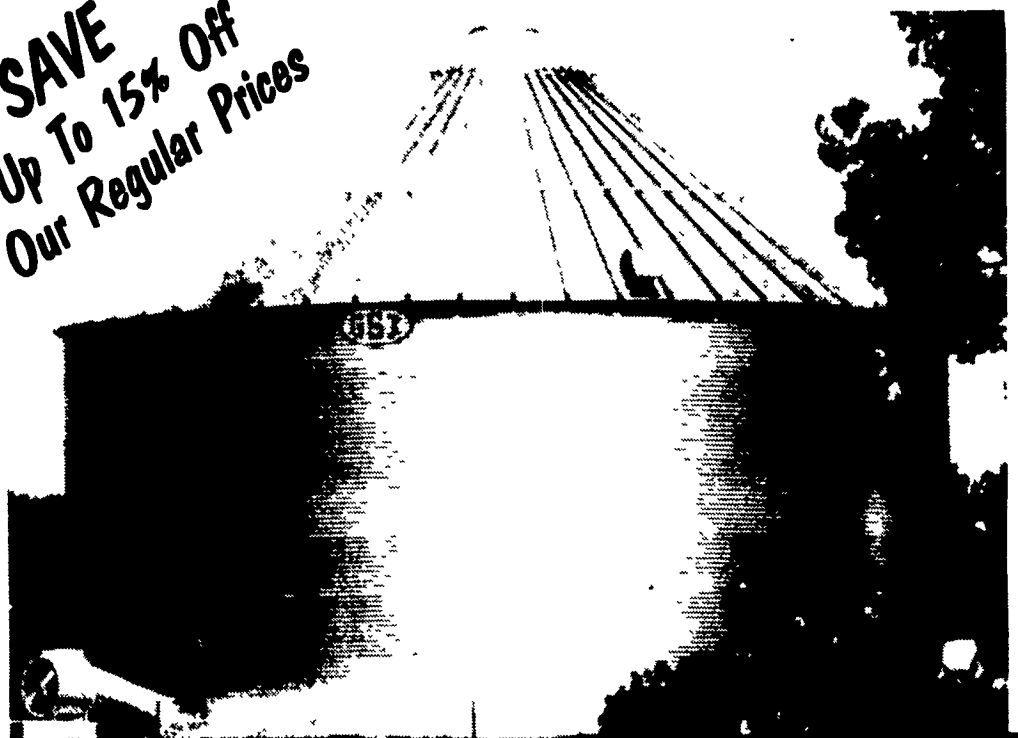
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For Sale - New Holland 510 Manure spreader with 3 beaters. Completely rebuilt. New sides, new beaters and shields, ready to go. Can deliver. Price \$1500. Phone 717-532-8601.

JD 2010 Crawler Loader \$3500.

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For Sale - IH Cub Low Boy with fast hush, hydraulic system, 42" Woods rotary mower, wheel weight, very good condition, mechanical transplanter for peat pots and bare root plants, like new, \$550, Berks Co., 215-689-5230.

NI #12 manure spreader. 717-949-3074.

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For Sale - 3 HP Briggs and Stratton engines, \$105 while supply lasts. \$110 postpaid. Also have brackets to mount on Maytag washers. Send check to Beiler Engine Service, R.D. 1, New Providence, PA 17560.

Cat 933 loader. Good con. tracks rebuilt recently. \$6000 or make offer. Also 5000 watt generator, like new, \$500. New 1 1/2 HP motor, 1/2 HP motor and motor starting switch good con. Berks County. 215-683-5688.

Long 4 wheel drive, w/loader, 520 hours, like new. 50% off new price. 215-944-7475.

For Sale - V-blade, snow plow, 9' wide, 717-225-3616 York County.

FARM EQUIPMENT

For Sale - JD 2520 Diesel, SR transmission, wide front, \$6800, 717-776-7725.

New flat wagon, \$700; new JD wood splitter, \$700; new sweeper for cub cadet lawn tractor, \$50; new 12 volt 1000 lb. electric winch, \$50. Phone 301-778-5765.

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Trade registered Holstein dairy cattle on late model JD tractor, 301-692-6028 after 7 pm.

1977 Massey Ferguson 1105, 783 hours, factory cab, air conditioning, heater 18.4x38's, like new \$12,900. Phone 814-664-2661.

JD TRACTOR 13, Baler, Cutting Bar, Rake. See at Yearsley Yard, 840 Lincoln, West Chester. Call Mike 215-446-4161.

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IH 615 gas combine with cab, 2 row 40" and 3 row 30" cornhead, 13' grain head, all quick attach 717-328 5746.

Caterpillar D2 dozer w/blade, \$2800. 814-643-3740.

Oliver OC3 w/loader, \$1500. 814-643-3740.

NH grinder-mixer #55, 1 year old. 8N Ford tractor, 6' blade, 5' rotary mower, 8' snow bucket for NI loader. JD 400 grinder-mixer. York County 717-456-5484.

Following 3 pt. equipment, disc, cultivator, 2 row corn planter, 2 bottom plow, 1 row potato planter, 11 hoe Superior grain drill, JD 730 Diesel, wide front end with front end loader, 215-262-9781.

1935 John Deere "A" model, new tires, brakes, sheet metal sandblasted and painted, completely restored, \$1800, 717-249-3086.

For Sale - 3 pt. hitch for Oliver tractors 66, three 880 heavy duty w/2 pistons, Hammernill for 65x Gehl grinder mixer, good condition. 717-365-3234.

Wanted to Buy - Mounted plows and mower for John Deere MT Tractor. Donald Speck, RD#1, Box 175, Huntingdon, Pa. 16652 814-627-1277.

Rototiller thatcher 5' 3-pt. 1972 Chevy dump like new. 1977 fuel injected V.W. wagon. Steam hypressure cleaner. 215-683-8581.

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For Sale - 1960 model 4 Star Minneapolis Moline with loader. Has 2 cracked. Will take offer. Washington County, MD. 301-733-6821.

JD 4840 Tractor, low hrs., excellent cond.; JD 714 Forage Wagon. 215-458-5852.

4x4 irrigation pump on rebuilt 38 HP Wisconsin w/1000' 483" pipe and fittings, 10 Rainbird sprinklers. Lancaster County, Henry Beiler, Christiana #1, PA, Box 83, 17509, 1 1/2 east of Georgetown.

For Sale - 30 bushel Weaverline silage cart with auto. charger, 717-367-6506.

For Sale - L33 NH skid loader, good condition, \$3500, 717-529-6273.

Oliver OC3 loader, low hours on rebuilt engine, new hydraulic line etc., Also used parts - 2 frames, blades and numerous other parts; Oliver 199 power unit - 4 parts; Massey 20 loader 1973. 201-254-2020.

For Sale - Custom built 2 row corn planters using J.D. Max-Emerge units. Pull-type or 3 point with or w/o fertilizer attachment. No-til or conventional. Pequea planter. Gideon F. Stoltzfus, RD#2, Box 2276 Gap, Pa. 17527.

For Sale - New twin disc clutch for No. 2 bell housing. \$1000. Berks Co., 215-683-7230.

Wanted - 20x70 used Harvestore silo. Lancaster Co. 717-733-8024.

JD 440 Crawler - loader, gas, new pins - bushings, rice, \$5,500 or 550 silver dollars. Must Sell before Dec. 15. 717-949-3007.

For Sale - Chisel plow Taylorway, seven tooth, \$800; Bale wagon, \$600; NI mowditcher 290, \$1500; Mounted NI cornpicker, \$800; Ford harvester, \$800; Field sprayer, \$400; Easyflow grain bin, \$700; 3 point Ford cornpicker, \$400. Luke High, Rt. 1, Box 650D, Annville, PA 17003.

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For Sale - NI 323 picker, NH 467 7' haybine, Oliver 8' transport disc, David Brown 1200, Farmall Super H w/wide front. 215-562-4464.

For Sale - 1981 TR-75 NH combine lease, 365 hours, 15' floating grain head and 6 row narrow corn head. Excellent condition, negotiable. 215-845-2524.

MF 14 combine w/cab, w/44 corn head and 13' grain head. 630 JD tractor. 301-663-5072.

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Snowplow, 8' power reverse, made by Frink, suitable for four wheel drive pickup, small truck or tractor, \$1200. Evenings, Sheaffer 301-758-1497.

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JD 27, 15' flail shredder Condition like new. 717-425-3698.

Sale 1930 Fordson tractor on steel wheels, running condition, \$750, best offer. 215-723-8445.

Wanted - one row corn head for 55 or 550 IH harvester. 301-346-7310.

For Sale - John Deere 80(1956) fully restored, W.C. Allis Chalmers run but not restored, B.R. John Deere, needs work, 717-292-2775.

933-G Caterpillar loader. Excellent condition. 301-392-3160.

AC manure spreader, 140 bu., good condition, \$495.00. Perry County.

IH 93 combine, 10' cut, pick-up reel, good condition. 609-586-2869 after 5 pm.

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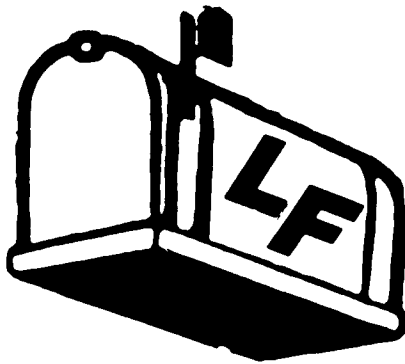
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1981 NH TR85 combine, 16' platform, hydrostatic, 4 wheel drive, diesel, \$37,500. 717-354-8859.

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For Sale - JD 494-A planter, 5' rotary mower, 11'6" Pittsburg disc harrow. 215-968-6993 or 215-968-3878. Ask for Mark.

IHC 1 row 14p corn snapper with extra parts; Cunningham crimper; IHC belly mounted corn planter for (C); 2 row potato planter, works; hoppers bad rear mounted sickle bar mower for (C); 1 row potato digger; 4 rolls snow fence; antique stone burr mill; 2 wheel trailer for garden tractor; 4 bus seat benches; 53 Studebaker PU 1/2 ton, doesn't run; 71 Olds coupe, runs good; 65 New Holland baler with chute; 65 New Holland baler with gas engine thrower; 8 ft. Case disc, pull type with trip clutch; IHC Super A w/touch control, 4 wheel weights, right hand plow, 1 row cultivator, 2 disc hillers, 2 furrow openers, leveling blade, rear chains, 2 section harrow, 2 wheel trailer.

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MF 1080 diesel, wide front, multi-power, dual hydraulics. 814-793-4293.

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MF 65 diesel, 3 pt. hitch, wide front. 814-793-4293.

For Sale - JD 4620 Tractor, excellent condition. 717-284-2761.

G-1000 M/M very good condition, Case 800 3 pt. hitch w/PS. 301-833-1847.

For Sale - Rye \$4.00 bushel, Also Ford 140 3 bottom 18' toggle trip, high clearance, fully mounted plow. Has hydraulic h/haide hitch w/cylinder, \$995 firm. Also 6000 gal. tanker trailer. New caps. Road worthy. \$1850 or \$850 without tires and wheels. Snyder Co. 717-837-0724.

1972 Ashley rubber tired front end loader. Also has mounts for grader, make offer. 215-385-3884.

For Sale - IH 1456 w/cab, duals and PTO, good condition. 717-464-3697.

IH 656 wide front 3 pt. 814-793-4293.

MF 175 diesel, wide front, multi-ower. 814-793-4293.

JD 4320 wide front, 18.4-38 tires, dual remotes. 814-793-4293.

Gehl #100 Mix All, used two days \$7000. Gehl #640 forage wagon, never used \$4,000. 717-538-2555.

Round baler, NH 852, Vermeer 504H and Gehl 1500; 6 cyl. gas power plant w/hydraulics and 2 speed pulleys. Westmoreland County 412-423-4076.

One 8' Haines potato brusher, \$700, one JD 900 ripper, 2 years old, \$2800. 215-593-5345.

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17' and 13' MF chisel plow 3 pt. hitch; Kewanee 22' Brady field cultivator; MF 246 loader; Webster fertilizer body, 301-778-0935.

For Sale - JD 8200 18-7 grain drill; JD 4440D tractor with cab and quad range; IH 710 automatic plow 5-20; JD 310 disc

Conical blades; Brillion 14' transport harrow (folding); NH 845 round baler; 18'5 ring MFS bin, sweep auger and 10' riser auger; 21'6" auger 2hp motor included; 21'6" auger no motor. Dauphin Co., 717-896-8766.

For Sale - JD 45 combine 2 row corn head 10' hume reel, grain head, rebuilt motor, new belts, new grain tank. Good shape. Bucks County, Pa. 215-795-2582, evening.

For Sale - Franklin County, PA - 1972 JD 4620 with 18.4 x 38 duals, side console, no cab; JD 220 17' x 1" centerfold disc with tine harrow, rock flex gangs; 1982 Glenco SS 9 soil saver; JD F350 6 x 16 auto reset plow, furrow hitch, JD 58 loader, complete; 400 gal. Kuker saddle tank sprayer with disc kit for liquid fertilizer, complete 1 year old. 717-273-1872, prefer evenings.

Winco Generators: PTO's 25KW @ 1700; 35DW @ \$2395 - 55 KW @ \$3345. Engine Sets 12 1/2 KW @ \$2300 - 20KW @ \$3200. Phone Penna. 717-282-2342 N.Y. 607-798-8927.

Wanted to buy - Ford 800, in any condition or just rear end. 914-427-5894.

Wanted - Rebuilt carburetor for Case model DC tractor. Leon Ebersol, R.D. 2, Box 291, Narvon, PA 17555.

For Sale - Stoltzfus liquid manure spreader, ground drive with spinner, good condition, \$675, Amos Lapp, 3752A Yost Road, Gordonville, PA 17529.

FARM EQUIPMENT

David Brown: 1200 Diesel w/loader, 814-793-4293.

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New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others.

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Knight model 500 spreader, in excellent cond., 717-872-9152 daytime, 872-2579 evenings and weekends.

Hillside 6600 hydrostatic combine in excellent condition, \$20,000. Larry Stalker "The Combine Man" 219-862-2151.

JD 4230 4 post roll guard, dual hyd., 2000 hours, 814-793-4293.

Oliver 1600 diesel, wide front, 3 pt., 814-793-4293.

JD 4010 diesel, wide front, excell. cond., 814-793-4293.

JD 730 diesel, electric start, wide front, 3 pt. hitch, 814-793-4293.

JD 3020 Diesel, wide front, dual hyd., 814-793-4293.

Oliver 1850 diesel, dual hyd., wide front, 814-793-4293.

Oliver 1950T cab and air, dual hyd., original paint, 814-793-4293.

6600 John Deere Hillside combine, excellent condition, \$17,500. 219-862-2151.

USED TRACTOR PARTS, also rebuilt clutches and torques. We ship UPS. Hill-T Farm Sales & Service, 4295 Richmond Palestine Road, New Madison, Ohio 45346. 513-548-0718.

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JD 4020 power shift, dual hydraulics. 814-793-4293.

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Sale: Arts-Way (Int.) 300 silage mixer, scale \$6,000; JD 60 NF, 3 pt. \$1250; 3x16 plow trips heavy beam \$600; Ford 612 forage harvester, 3 heads, \$600; 32' trailer field sprayer \$750; 10' 3 section JD drag harrow \$125; 3 pt. fert. spreader \$300; No. 10 NI corn picker, XL cond., \$100

Wanted: 70 HP tractor; flail chopper; 2 gravity bins, 16-20' transport harrow; cutting torch; power washer.

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FARM EQUIPMENT

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JD 2020 w/loader
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MF 1135, cab & air
IH 574
JD 3010
(2) MF 1155 w/cab & air
MF 180
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IH 3200 Skid Loader
Case 1290

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GRINDER-MIXER

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MUSTANG #345
SKID LOADER
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FRONT LOADER
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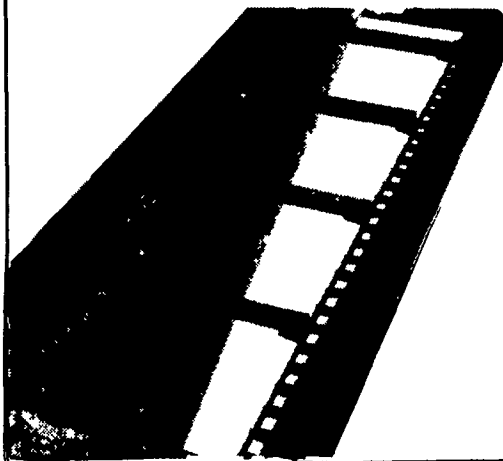
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RECONDITIONED & USED UNLOADERS - ALL BRANDS & SIZES, PARTS IN STOCK

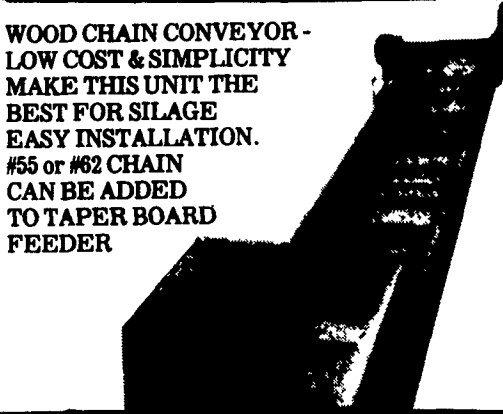
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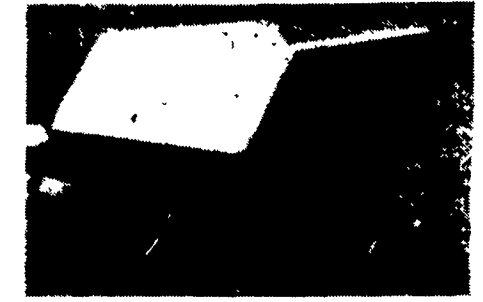


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MAKE THIS UNIT THE
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CAN BE ADDED
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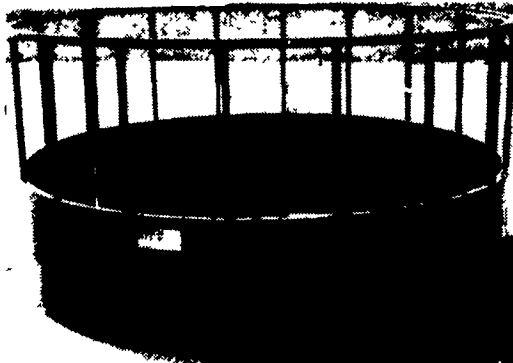


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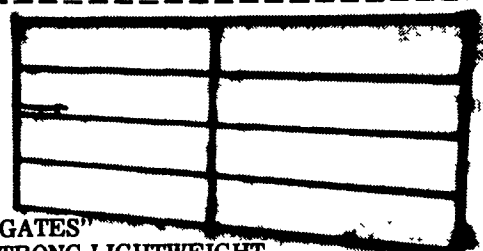
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18 Openings - Can use for Regular
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1 5/8" TUBING-PAINTED
Gates w/Latch & Hinge

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10% CASH DISCOUNT ON ABOVE ITEMS

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- Case VAC
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- Case 995
- Case 430
- David Brown 990 w/Loader
- Oliver 500
- Oliver 1755
- Oliver 1655
- White 2-105 Tractor
- Farmall C w/cult & Loader
- SAME Tiger 100 4 WD

LOADERS

- Case 1737 Skid Loader
- Case 1740 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- Dunham Lehr No 22 Loader
- Int 3200 Skid Loader

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- Case Disc Harrow, 10'
- Oliver 2 Bot Trailer Plows
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- NI 735 Cornhead
- NI 744N Cornhead
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- NI 325 2-Row Corn-picker
- NI 324 2-Row Corn-picker
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- Case 300 Harvester
- NH 717 Harvester
- Gehl 1200 Harvester w/pickup and 2-row cornhead

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- NH 1002 Stack Wagon
- Hesston PT 10
- Hesston 1090 Windrower
- Dump Rake
- Bale Thrower Wagon
- Case Hay Rake
- NI Hay Rake
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- IH 400 Corn Planter, 8 Row
- 8 Used Spreaders
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Hesston 1090 Windrower
2 Year Warranty
Demonstrator
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3300 JD combine, like new, 427 hours; JD 38 harvester w/pickup. Good condition, 814-926-3669.

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JD 7720 Combine

215 grain flexhead, 643 and 4 row wide corn heads.

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(Combines on our lot)

Used J.D. 6620

Hydro w/heads

New JD 4420 fully

equipt. 443 C.H. Inf.

1460 axel flo fully eq.

w/both heads, New

M.F. 860 combine

call for price.

Used White 9700 rotary

w/4 whl drive,

g r a i n

and 6 row C.H.

1977 JD 4400 Dsl. cab

and air real nice;

1975 JD 6600D rotary

screen, good cond.

1976 Int. 715D, w/air

& 13 ft. grain, field

ready, never used in

corn. 1977 Gleaner L2

hydro w/6 row C.H.

1976 Gleaner FD

w/air and both

heads; 1976 Gleaner

KKS cab & air

w/grain, 1976 Int.

915D w/810 grain

head \$19,900, sale

price \$18,900. 1979

MF 550D, excel.

w/grain and corn

heads. 1975 MF 510D

hydra. w/grain and

43 corn for \$18,800.

MF 410 D. w/cab & Q.T.

Grain head.

MF 510D w/cab, Quick

Tach grain for \$8950,

Sale Price \$5850.

Case 960 w/cab and

grain, real nice,

\$3950.

1968 Gleaner CII diesel

w/cab and 4 row C.H.

for \$5250. JD 7700 D

w/grain & corn head.

1969 MF 510D, cab & 2

heads for \$9500.

MF 300 w/cab & 2 heads

for \$2900.

1969 JD 55 sq. back corn

special w/cab and 2

heads; Int 715 gas

w/cab, 810 grain Int.

810 13 ft. floating cut-

ter bar.

Int. 303 w/cab, 1972

Gleaner F w/grain &

4 row C.H. for

\$11,900.

Gleaner E w/cab and 2

heads nice and good;

Gleaner E III w/cab

and 2 heads.

AC 90 pull combine.

NI 702D w/cab w/chop-

per and 2 row C.H.

\$6250. 702 w/729 A

sheller.

We have 4 N.I. Uni 729A

shellers from \$1500.

TRACTORS AND

EQUIP. JUST PUR-

CHASED (New A.C.

8050 P.S. w/radial

tires list 56, cost 44,

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New JD 4250 w/front

wheel drive. New

Case 2590 fully eq.

\$34,750.00; New Case

2090 Cab A.P.S.

\$22,900.00; used Case

2090 CA PS looks like

new, used J.D. 4040

Q.R., used JD 4230

Q Range JD 4430 w/

R.G. and P.S. Used

JD 4640 P.S. fully eq.

like new; JD 4630

cab, air P.S. w/front

whl. drive; JD 6030

like new. NI 325

picker w/12 roll bed;

N.I. 324 picker w/12

roll bed; Case 1370

C.A. PS - factory

duals and full wts.

JD 4010 D.W.F. Dual

Hydraulic.

NH 258 rake, Oliver 5B

hydraulic reset plow.

NI Combines Just Dealt.

NI 717 combine w/13

ft. grain; NI 738 4R N

CH; NI 10 ft. direct

cut head; NI 3 row

30" silage head.

(Tractors and Eq. - Just

Received) MF 1135

CA MP real nice, Int

656 ulty. Int 544 utili-

ty gas. Farmall 1468

C.A. \$3850; Farmall

186 Hydro w/cab

enclosure; Int. 674D;

Farmall 886 w/R.G.,

Farmall 504 tri. D.

original, Farmall

460D. and 460 gas;

NH 357 Grinder-Mix-

er \$3850.

Used JD 66 and 65

Blowers.

White 2-155 w/cab, JD

3020 gas P.S.

original, JD L w/eq.,

2 Used NI 323 1 row

picker \$2150 Used

Int. 1190 haybine for

\$3250; Ferg. 6 bar 3

pt. rake like new.

AC 7010 C.A.,

P.S., 20:8x38 tires,

full wts., light

package looks like

new, Ford 7600

w/dual power. Far-

mall 966 original for

\$9000.00. Farmall 504

original w/P.S. and 3

pt. Oliver 880 W.F.

fully equip. JD 4010

gas, JD 2840; Far-

mall 1066 w/cab & air

\$12,800. Int. 444 utili-

ty gas, w/P.S. for

\$3850. Farmall 1066

for \$9950. Farmall

1566 C.A. w/20x38

duals used 1200 hrs.

extra nice, Farmall

656 gas. 706 gas, 504

w/W.F. & Loader.

JD 730 D, nice. JD 60

W/Loader, Case

D.B., 990.

Hay eq. just traded, used

NH 320 baler,

Rakes, new NH 256,

MC 9E Rotary

Scythe.

New Holland 1034 Auto-

Bale Wagon used 3

yrs. (SOLD) NH 1012

and 1010 bale

wagons.

18 ft. hay bale wagon on

8 ton running gear.

JD 3020 Tri D. JD 4020D

W.F., D.L. and 2

values w/cab. JD

4020D W.F. P.S. 2640,

Farmalls 1566 4 post

R.G. w/duals, 1066

w/cab, 886 w/cab,

like new; 1206 extra

nice, 756D W.F.

original, Farmall M.

White 4 whl. drive,

4-150 fully eq. for

\$12,500; White 4-180

fully eq. for \$15,850

(Tractors Coming

In) Used JD 4840, fully

equipped w/dual

whls. real nice, JD

4430 C.A. QR, AC 220

original nice \$8950,

Farmall 1486 fully

eq. like new. Int. 784

w/loader like new.

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Int. 3588 2+2 Int. 966

w/cab, 1066 Farmall

M w/NI 319 mtd.

picker, Case 1410D.

(Harvesters) NH 890

w/3 row 30" C.H. 2

row snapperhead

and pickup head. JD

243 snapper head.

Forage Wagons.

JD 216 - tandem axle. NI

325 picker w/12 roll

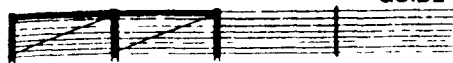
bed, JD 237 mtd.

picker and sheller.

Just Purchased (new) 2

NI 3

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1830 CASE UNI-LOADER

NH #676 MANURE SPREADER
TOP BEATER W/ HYDRAULIC ENDGATE

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Loysville, Pa.
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FOR SALE

1978-79 John Deere 6600 Sidehill Combine 1500 hrs. 6 row narrow corn head

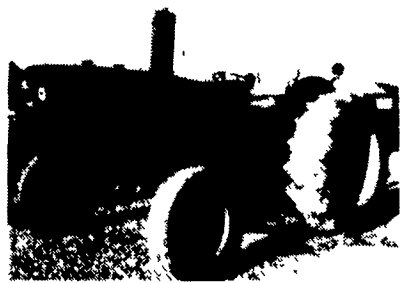
Grain Dryer - AS 600 Super B

TROSS TERRAINS, INC.

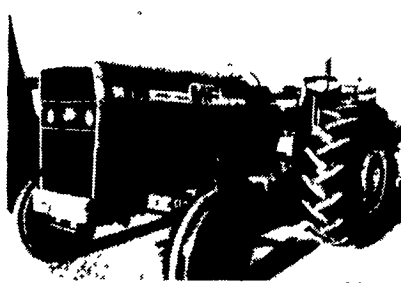
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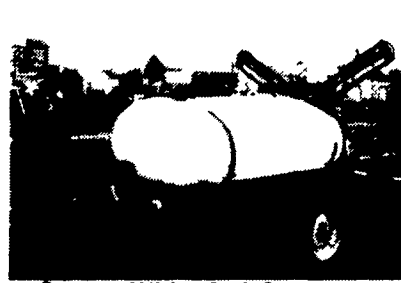
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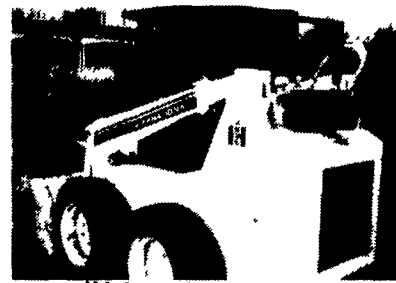
JD 2030 Diesel, 60 HP
\$5500⁰⁰



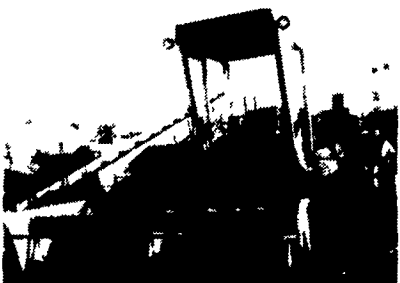
MF 255 Diesel low hrs. 50 HP
Price Reduction
\$11,250.00 \$9850⁰⁰



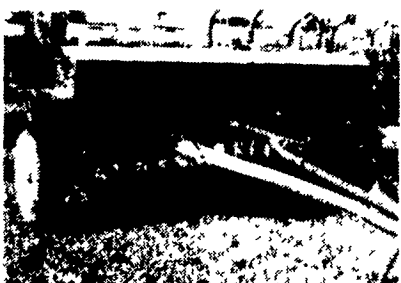
George White 310 Gal, 35 Ft. Self-Leveling Boom, Centrifugal Pump \$2200⁰⁰



IH 4140 Diesel 40 HP
\$7850⁰⁰



NH 1469 Haybine, 9 ft.
\$4500⁰⁰



JD FBB Grain Drill 15x7 w/ Fertilizer and New Grass Seed Attachment
\$1800⁰⁰



IH 14 Rake
\$1050⁰⁰



Owatonna 540 Hay Stacker. \$2450
Owatonna Stacks Mover \$1250
Economical Hay System
Excellent For Corn Fodder

TRACTORS

JD 4020 Diesel, Power Shift, NFE \$9500.00
JD 2640 Diesel 70 H P, Low Hours \$13,500.00
JD 4430 125 H P, 4 Post Roll Guard, Duals \$19,500.00
MF 180 Diesel, 63 H P w/Multi-Power \$5800.00
JD 720 Diesel, 56 H P \$1600.00 As Is
JD H with Cultivator \$1250.00
JD 3020 Diesel on Steel \$7500.00
JD A Tractor \$875.00
Mitsubishi Stallion S-750D Diesel 33 HP With Front End Loader \$6500.00

PLANTERS & DRILLS

JD 1240 Plateless Planter \$1700.00
JD 1240 Plateless Planter \$1650.00
JD 1240 Plateless Planter \$2600.00
IH 56 Corn Planter \$1350.00
Fertilizer Auger Fill Attachment For 4 Row Corn Planter \$300.00
JD 246 2 Row \$250.00
JD 7000 Regular 4 Row Narrow \$5500.00
JD 7000 Regular 6 Row Narrow w/Dry Fertilizer, Monitor, Insecticide \$7700.00
JD 18 x 7 Grain Drill \$2100.00
JD 7000 Conservation 6 RN w/Liquid Fertilizer, Insecticide \$7500.00
Twin Row Tobacco Planter \$425.00
JD 7000 Conservation 6 Row w/Liquid Fertilizer \$8650.00
JD FBB 15x7 Grain Drill \$1800.00

COMBINES & ATTACHMENTS

JD 3300 Diesel with 343, 3 Row Narrow Corn Head \$25,700.00
NI 713 13 Ft Rigid Grain Platform w/Feeder House \$3000.00
NH 960 13 Ft Grain Platform \$2850.00
NH 960 13 Ft Grain Platform \$3600.00
NI 713S 13 Ft Flex Grain Platform \$2800.00
JD 4400 Gas \$13,200.00
NH TR85 Combine \$38,500.00
NH 972 Grain Head \$4950.00
NH 718 Harvester \$3750.00
NH 962 N6 Corn Head \$9500.00
MF 410 Gas Combine w/13 ft Grain Platform \$9500.00
NI 717 Combine for Uni System, Used 2 Seasons \$8500.00
NH 962N4 Corn Head \$4600.00
NH 962N4 Corn Head \$4500.00

TILLAGE

Bearcat 10 Ft Roller Harrow \$1295.00
IH Rotary Hoe \$1295.00
IH 55 10 Tooth Chisel Plow, Pull Type \$1975.00
JD 45 2 Bottom Plow 14", Demo \$975.00
JD 925 Roller Harrow, 10 ft \$1595.00
Case 28 Blade Transport Disks \$1250.00
IH 55 Cornstall 9 Tooth \$4500.00
JD 4 Bottom Plow \$695.00
IH 530 Plow, 3 Bottom \$695.00
Glencoe SSP-7 Soil Saver \$3450.00
JD 300 A Disk Harrow 11 ft 32 Blades \$1800.00
JD 950 Roller Harrow 12 ft \$2500.00
JD 115 Disk, 10 ft 28 Blades like new \$2800.00

HARVESTERS & ATTACHMENTS

NH 717 R1 Corn Head \$450.00
NH 717 R2 Corn Head \$650.00
NH 717 R2 Corn Head \$750.00
NH 822 Corn Head, Low Profile \$2000.00
NH 707 3 Point Harvester, 1 Row \$2250.00
Fox 728 2 Row Corn Head \$500.00
NH 707 3-Point Harvester \$2050.00
NH 717 Harvester \$650.00
NH 717W Hay Pickup \$625.00
NH S717 Harvester \$2450.00
NH 728 Hay Pickup \$425.00
NH 717 R1 Corn Head \$350.00
NH 718 Harvester \$3750.00
NH 880 R2 Corn Head \$1300.00
NH 880 N3 Corn Head \$1250.00
Kools KB54 Blower \$2550.00
NH 770 R2 Corn Head \$650.00
NH 880W Hay Pickup \$1150.00
NH 770 Harvester \$3300.00
NH 822 Corn Head \$1600.00
JD 35 Harvester \$1250.00
JD 1 Row Corn Head \$650.00
NH 707 Harvester w/Corn Head \$1500.00
NH 770 Harvester \$3300.00

BALERS

JD 24T Baler \$1500.00
NH 269 Baler \$1600.00
NH 269 Baler w/53A Thrower \$2550.00
NH 273 Engine Baler \$3250.00
JD 336 Baler w/30 Ejector \$4350.00
Gehl 1500 Round Baler \$3250.00
NH 276 w/Thrower \$3850.00

LOADERS

JD 143 (Never Used) \$2300.00
JD 146 Loader \$2200.00
JD 37 Loader \$650.00

MOWERS & MOWER CONDITIONERS

JD 1380 Windrower Conditioner Mid Pivot \$5450.00
JD 1209 Mower Conditioner 9 ft \$2700.00
IH 990 Mower Conditioner, 9 ft \$1600.00
JD 1209 Mower Conditioner \$3750.00
NH 489 Haybine, 9 ft \$7200.00
Hesston PT10 Mower Conditioner \$1350.00
NH 450 Mower, 3 Point, 7 ft \$1150.00
Oliver Trailer Mower \$425.00
Woods 5 ft 6 in Rotary Cutter \$495.00
NH 1469 Self Propelled, 9 Ft Haybine \$4500.00
JD 1209 Mower Conditioner, 9 Ft \$2750.00
NH 467 Haybine 7 ft \$2350.00
NH 489 9 ft \$5200.00

RAKES & TEDDERS

Pequea 9 ft PTO Tedder \$995.00

MISC.

Front Blade for 8N Ford \$525.00
(2) Richie Cattle Waterers (New) \$235.00
16.9 x 28 Tire Chains \$200.00
Onan 21 H P Engine \$700.00
Wisconsin 2 Cylinder Engine \$650.00
JD 60" Manure Bucket \$450.00

SPREADERS

NH 513 177 Bu \$2350.00
NH 518 210 Bu \$1800.00
Spin Spreader 8 5 Bushel \$450.00
NI 218 w/Hyd Endgate \$2800.00
NH S676 Spreader \$3000.00
NI 218 w/Hyd Endgate, Upper Beater \$3650.00

MISC. HARVEST EQUIPMENT

Badger Blower \$1500.00
NI 325 Picker, Sheller, 2 Row Narrow \$3800.00
Kools Blower \$975.00
Zimmerman 36 ft Elevator \$1200.00
Grain Chief 46 ft Grain Auger, PTO Drive, 6" Auger \$1200.00
Ford 618 Blower \$335.00
NH 38 Crop Chopper \$2800.00
Zimmerman 32 ft Elevator \$1050.00
Gravity Bin with NH Gear \$695.00
Little Giant 36 ft Elevator \$1800.00
NI 311 Corn picker 2 Row Wide with NI311 Husking Bed \$4800.00
IH 1 PR Corn Picker 1 Row White Elevator \$1000.00
NI #7 Corn Picker 1 Row \$550.00 as is

WAGONS & RUNNING GEAR

JD 1075 10 Ton, Never Used \$2000.00
Stoltzfus 16' Bale Box \$650.00
NH 1010 Automatic Pull Type Bale Wagon \$3000.00
NH #8 Forage Box with NH #234 8 Ton Gear \$3850.00
NH #8 Steel Forage Box w/High Sides and Third Beater \$3100.00
Killbros 12 ton Running Gear \$1200.00

GRINDER MIXERS

Owatonna 470 Grinder Mixer \$3450.00
NH 358, 120 Bushel-with Electronic Scales \$6850.00

SKID STEER LOADERS & ATTACHMENTS

Case 1816B \$3975.00

AVCO NEW IDEA SPERRY NEW HOLLAND



ABC GROFF, INC.

STORE HOURS

Mon Tues Wed 7 5
Thurs Fri 7 9
Sat 7 4
Parts 717 354 4191
Sales 717 354 4731
Service 717 354 8004

Since 1890
110 S Railroad Ave
New Holland PA 17557

OPEN THURSDAY AND FRIDAY UNTIL 9 P.M.

PAID



OUR TRUCKS ARE RADIO CONTROLLED

Case 1830 Skid Loader
4 years old
Good Shape
\$7900

Case 1830 Skid Loader
\$6900

(New)
NH #315
Baler & Thrower
\$9,200

PAUL SHOVER'S INC.
35 E. Willow Street
Carlisle, PA
717-243-2686

Case

Case 2300 Tractor 1982,
Fully Equip., 100 hrs.
Dual Wheels, Traded
for other Machinery.

Case 1690 Dal. tractor,
no cab, 266 hrs.

Used NI #324 2 Row
Wide corn Picker,
good shape.

(New) NI 324 2 Row
Wide Corn Picker
Super Price.

JD 7100 Corn Planter, A-
1 shape, set up for
fert.

Case 308 Plow at Good
price

SC7 Soil Controller

NI 727 Husking beds,
good shape

Plus NI 702 Uni-
Tractors, mow/diti-
oners, tractors &
spreaders in stock at
Good Prices.

**C. & P. FULTZ
EQUIPMENT**
RD 1 Spring Mills, PA
(814) 422-8807,
Ask for Paul

Ford
Tractor
Equipment

NEW IDEA

WHITE FARM EQUIPMENT

SPECIAL
New NI 323 Picker
New NI Manure
Spreaders

USED EQUIPMENT

Oliver 1850 Tractor
MM U302 Tractor
NI #214 Manure Spreader
w/end gate

White 5100 4R Planter
(Excellent)

JD 1250 6R Planter
White 264 12' 2 disc
harrow (new)

MM 4B Semi Mtd Plow
White 508 4x18 SAR Plow
Ford #101 3 x 14 Plow
(Excell)

Noble 25' Field Cultivator
Hesston 1014 Windrower
MM 3496 Combine, Cab,
2R Head, 12' Grain
Head

White 8600 Combine, dsl
hydro, air

NI 709 Uni 4WD w/838
husk unit

JD 24T Baler w/thrower
MF 120 Baler w/thrower
1068 Haybuster no-till
drill (demo)

AC 6 Row 30" Corn Head,
like new

Fox 728 2R Corn Head
Better Bilt 1100 Gal
Liquid Spreader

Ford 10 h.p. Garden
Tractor w/42" mower

Ford 7 h.p. Garden
Tractor w/34" mower

We are Your
Certified
Better-Bilt Dealer

**STANLEY'S FARM
SERVICE**
RD Box 46
Klingerstown, PA
717-648-2088

USED EQUIPMENT

TRACTORS

JD 4240 w/SG Body, 530 hrs. \$28,000
IH 1066 w/cab, 1180 hrs. \$18,500
IH 1066 w/cab \$10,900
IH 656D, reconditioned \$ 6,900
MF 1085 \$ 7,900
MF 1080 \$ 5,900
JD 950 D/6' mower, 450 hrs. \$ 6,900
JD 950 D/75 Loader, 155 hrs. \$ 7,500
IH 350 Utility w/2000 Loader. \$ 3,500
Ford Jubilee w/loader and plow \$ 3,500
JD A \$ 1,100

COMBINES

82 JD Sidehill w/15' Flex Head. \$69,000
78 MF 750 w/Heads \$28,000
78 JD Sidehill \$40,000
68 JD 45 \$ 5,000

PLANTERS

JD 6R Conv. w/Dry Fert, 2 yrs. old \$ 9,000
JD 6R Conv. w/Dry Fert. \$ 7,500
JD 4R Max-Emerge. \$ 5,900
MF 468 4R and 6R Planters. \$ 1,000
(3) 2 Row JD Planters \$300 and up
IH 4R 456 Planter \$ 1,200
JD 1240 \$ 1,800
JD 1460 6 Row \$ 3,500
JD 8350 21x7 DD Drill, new Discs. \$ 4,500

TILLAGE

JD 950 12' Roller Harrow. \$ 2,700
JD 1450 5x16 Plow. \$ 2,900
Pittsburg 14' Disc. \$ 1,900
Pittsburg 12' 3 pt. Harrow. \$ 590
Ford 6' 3 pt. Disc. \$ 750

HARVESTING

IH 550 Harvester w/3 heads \$ 2,100
JD 3800 Harvester w/3 heads \$ 5,500
NH 770 Harvester w/2 heads \$ 3,500
NH 36 Chopper \$ 1,500
JD 1209 Mower/Conditioner \$ 3,500
JD 716 Forage Wagons \$ 4,000
JD 750 Grinder-Mixer w/scales. \$ 4,500

**TOBIAS EQUIPMENT
CO., INC.**
Halifax, PA 17032
Phone: 717-362-3132

Ford 8 3/4% interest
Kubota 10 5% interest
Cub Cadet, Buy Now, No payment till March 15, 1984

Rent
Lely 3 shank subsoiler and
Moore no-till drill \$8 an acre

USED TRACTORS

JD A w/2 row picker; JD 2510; Kubota 345 DT w/loader; Case model 300; Satch 25 HP 3 pt. hitch; Farmall H; Cub w/blade; IHC 340 w/loader; 9600; 5000; 5610 4 wheel drive; 4610; 4600 w/cab; 7710; 4000; 3400; 3000; 2110; 8N; 9N; Fordson Major; Kubota 7100 DT; IH 140; Cub Lo-Boy 154; Ford 1700 4 wheel drive w/loader, low hrs.

INDUSTRIAL EQUIPMENT

1977 Yale forklift; 8000 lb. lift; Perkins diesel engine and torque converter; Ford 3610 w/Lincoln welder; Ford 4000 w/forklift; 4000 w/forklift; Ford 600 w/forklift; Ford 340 w/loader; Ford loader CL45; AC crawler HD 5; IHC crawler model T340 w/4-in-1 bucket; Ford TL340; Ford TLB 445 w/extendable hoe; 1-new general 9 ton trailers; New 555 TLB, 6 ton JD used trailer, 9 ton general trailer used, MGS trailer for snowmobiles, new.

HARVESTING EQUIPMENT

Ford blower model 618; MC chopper; Ford 1 row mounted corn picker; NI corn picker 1 row pull-type; NI corn sheller pull-type; NI corn sheller pull-type model 310; Farmer Boy gravity bins 165 bu. and 235 bu.; NI corn sheller pull-type, 2 row.

CARS & TRUCKS

Louisville 9000 1974 290 Cummins engine, 10 speed Road Ranger transmission; Truck tractor Louisville 8000 1974 3206 Cat engine, paint good; Ford dump truck F600 tires good; F250 Ford 1/2 ton bed; Chevrolet pickup w/service body; Chevrolet camper w/canopy, sleeps six, refrigerator, gas stove and gas heater; 1968 Cadillac DeVille convertible loaded, PS, 28,332 miles; Audi car 1972 model, auto. trans.

LAWN & GARDEN

Gravely w/snowblower; IHC 125, 147, 60 Cadet; Ford 165 and 75; Suzue 4 wheel drive 15 HP diesel w/mower; 14 HP Wheel Horse w/mower.

STRALEY FARM SUPPLY
Dover, Pa. 17315
Farm - Industrial Equipment
Sale & Service
Ford, IHC, Kubota, Woods,
Bush Hog, Danuser, Little Giant
717-292-4443

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FORD 5000 Diesel with Cab

8 speed transmission, 8-front end weights, 2-front wheel weights, 4 rear wheel weights, 18.4-30 rear tires

Priced at \$6,900

717-859-3118

USED EQUIPMENT

TRACTORS	NEW IDEA	FORAGE	LOADERS
AC 7080 Cab-Air-Heat	325/314 Picker Sheller	Fox HA Harvester	Uni Loader Broom
Case 1370 Cab-Air-Heat 24.5x32 Radio	323 Pickers	JD 3800 Harvester	1845 G
Case 1090 18.4x38 (New) Power Shift	325/327 Pickers	Hesston Blower	Hough Wheel Loader
Case 1170 Cab-Heat 8 Spd. 20.8x38	702 G Power Unit	JD 115 Forage Box	White Backhoe
Case 900 w/Pulley	702 D Power Unit	Farmhand Rake	MF 20C Tractor Loader
Case 2090 Cab	710 Combine		
	743 N Head	MISCELLANEOUS	Mustang 330 Skid Steer
	767 Harvester	Case 12' Disc Harrow	580C Loader-Hoe
	738 4RN Head	Wetmore 878 Grinder Mixer	SPREADERS
	272 CutDitioners	Case 1800 Chisel	NI 206 JD 54
		ArtsWay 420 Grinder-Mixer	NI 213 NH 371 Flail
			NI 214

206 Ground Drive
Spreaders In Stock

A.L. HERR & BRO.
PARK AVE., QUARRYVILLE, PA 17566 PHONE: 717-786-3521

Case **NEW IDEA** **GEHL** **BUSH-HOG**

Umberger's Of Fontana

RD4, Lebanon, PA (Fontana) 717-867-5161 or 717-867-2613
Mon.-Thurs. - 7:30-5:00; Fri. - 7:30-8:00; Sat. - 7:30-4:00

New Idea Gehl Hesston Bush Hog Glencoe Brillion Toro Gilson Kilbros Wic Trustworthy Hardware! The Problem Solvers

FOR RENT
Glencoe 5 and 9 Shank Soil Savers

FOR RENT
Hesston 5540 Round Baler
Houle Cow Lift Available
For Rent

Good Selection New / Used
Manure Spreaders
NI 708 Uni w/4 WD, Cab, Air,
Less than 400 hrs.
MF 844N 4R Corn Head

Pequea PTO Hay Tedder, like new.
Bush Hog 14 shank 3 pt.
3 bar chisel plow
IH #700 4x16 Auto Reset
Plow
(new) South East 3 pt. Round
Bale Mover
JD H Tractor w/cord saw
See Us Now for Your Toro
Snow Blower
Wic 7 h.p. Straw Chopper

USED EQUIPMENT

	Starting Price	Daily Reduc.	Price 12/3/83
729A NI Uni Sheller	\$3750 00	\$5.00	'1635.00
Ford 3 pt 2 Row Cultivator	\$390 00	\$1.00	'154.00
770 NH Harvester w/2 RN & PU	\$5951 00	\$5.00	'4771.00
676 NH Tandem Axle Spreader w/gate	\$3254 00	\$5.00	'2074.00
FB 88 Gehl Blower	\$850 00	\$2.00	'672.00
66 JD Blower	\$1390 00	\$3.00	'1123.00
FB 99 Gehl Blower	\$1395 00	\$3.00	'1128.00
SSP-5 Glencoe Soil Saver	\$3890 00	\$5.00	'3445.00
10' Bush Hog 10 Tooth Chisel	\$1495 00	\$3.00	'1228.00
6' Case 3 pt Rotary Chopper	\$450 00	\$2.00	'272.00
11' AW JD Transport Disc	\$950 00	\$2.00	'772.00
10' KBA JD Transport Disc	\$1050 00	\$2.00	'872.00
Grove Corn Drag	\$350 00	\$1.00	'261.00
Allied 1 Ton Grinder/Mixer	\$2350 00	\$4.00	'1994.00
MX 120 Hyd Drive Grinder/Mixer	\$3850 00	\$5.00	'3405.00
686 IH Tractor - 825 hrs	\$14,900 00	\$20.00	'13,120.00
717 NH Harvester w/1RN	\$1950 00	\$4.00	'1594.00
Sears 10HP Mower	\$750 00	\$3.00	'483.00
212-217 NI Single Beater Spreader	\$1695.00	\$4.00	'1339.00
214-217 NI Single Beater Spreader	\$1595 00	\$4.00	'1239.00
213-215 NI Triple Beater Spreader	\$2550 00	\$5.00	'2105.00
218 NI Spreader w/Hyd Gate	\$3150.00	\$5.00	'2705.00
Wic 3 pt Straw Chopper	\$1095 00	\$2.00	'917.00
IH 6x16 Semi-mount Plow	\$2190 00	\$4.00	'1834.00
83 Oliver 2 Row Wide Pull	\$2490 00	\$5.00	'2045.00
Dion 3 Beater Unloading Wagon w/Roof	\$3890 00	\$7.00	'3267.00
Kasten 2 Beater 16' Unloading Wagon	\$1890 00	\$5.00	'1445.00
763 3 RN NI Uni Harvester Head	\$1800 00	\$4.00	'1444.00

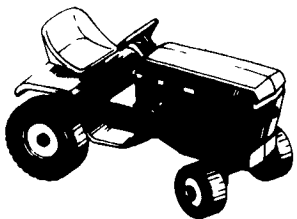


JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE
CHECK THESE SPECIALS — CALL RIGHT AFTER 7 A.M. FOR INFORMATION & PRICE



SANTA'S HELPERS

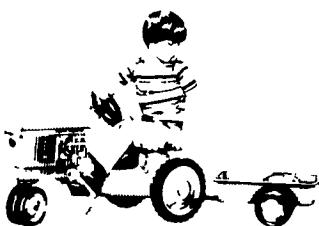
See us for great gift ideas from John Deere



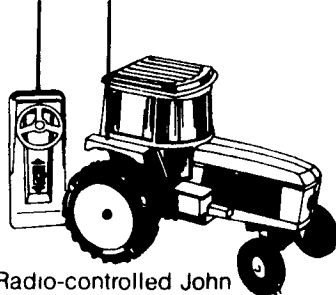
Detailed miniature replica of John Deere lawn and garden tractor



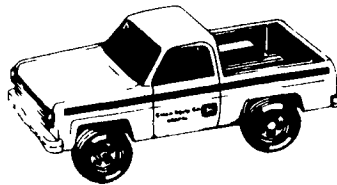
Backhoe loader with real-action steering Operable loader and backhoe



John Deere riding tractor and 2-wheel trailer Built to last



Radio-controlled John Deere tractor can be commanded up to 30 feet away

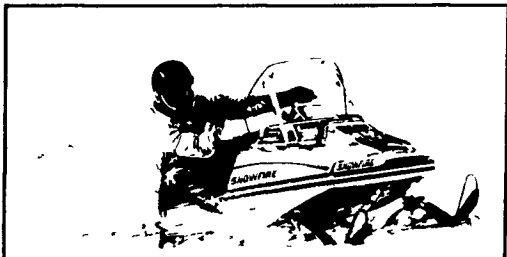


Rugged steel construction John Deere dealer pickup Deluxe, detailed interior



WALK BEHIND SNOW BLOWERS

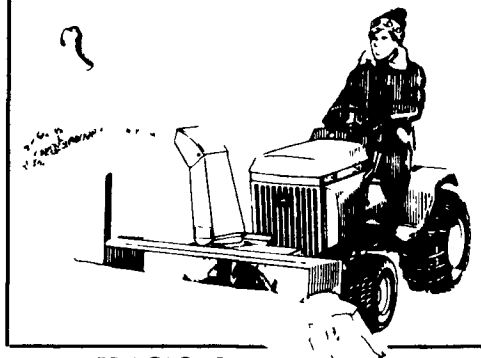
CHECK OUR SPECIAL TOY PRICES



SNOWMOBILES



CHAIN SAWS



TRACTORS AND SNOW THROWERS

BONANZA

Looking for a good used tractor? See our selection and take advantage of finance charge waiver to March 1, 1984

* Availability of John Deere financing subject to approval of credit.

OUR SELECTION OF USED TRACTORS

- JD 4440 Dsl, Quad, S.G. Body A/H w/JD 260 H.D. Hyd. Loader
- JD 4430 Dsl, P/S, SG Body A/H
- JD 2940 Dsl, TSS Hi-Lo Trans.
- JD 2630 Dsl, Row crop util.
- JD 1530 Dsl, w/Sauder Load
- JD 2510 Dsl
- JD 730 Dsl
- JD "B"
- MF 1085 Dsl
- MF 65 Dsl, Row crop
- MF 65 Dsl, Util. w/Farm Hand ldr.
- MF 135 Gas, P/S, 3-pt, Hi-Lo
- Ford 600
- Ford 8N
- DEUTZ 6807A Dsl., Cab, MF WD, AM-FM, tape
- CASE 430 Gas w/Hyd. Loader

Buy at Dealer Invoice

AVCO NEW IDEA

MODEL	*INVOICE PRICE
214 Spreader w/217 Sngl Beater	\$3973.64
243 Spreader w/Hyd Endgate	\$4666.40
245 Spreader w/Hyd Endgate	\$7172.35
119 Fertilizer Spin Spreader	\$988.00
*Plus freight, set up & handling, tires & miscellaneous items where applicable.	

WE'RE DEALING STRAIGHT FROM THE INVOICE

USED MANURE SPREADERS

NI 218 Tandem 8 ton w/Hyd End, Top Beater priced at	\$3550
NI 218 Tandem 8 ton w/Hyd End reduced to	\$3000
NI 224 Tandem 10 ton w/Hyd End reduced to	\$3295
NI 214 w/216 Flail, Mech End reduced to	\$1395
NI 213 w/217 Sngl Btr, w/Hyd End reduced to	\$1395
NI 213 w/217 Sngl Btr reduced to	\$1195
Several NI 206 Ground Driven priced to sell	

NI 206 SPREADERS NEW IDEA 95 BU. GROUND DRIVEN SPREADERS



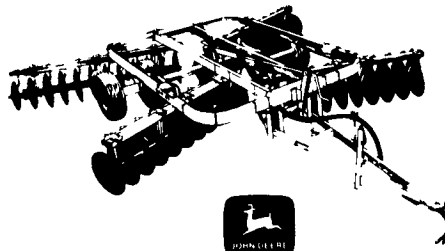
206 New Idea Spreader Available With or Without Steel Wheels With or Without Endgate Att.

NEW JD TILLAGE TOOLS —IN STOCK—

Disk Harrows	
115 - 10'0" - Save \$332.30	
215 - 11'5" - Save \$533.90	
215 - 12'10" w/cush gangs - Save \$572.90	
315 - 12'10" - Save \$800.90	
235 - 18'6" dura cush center fold - Save \$1444.10	
1010 field cult 25½' flex, horiz fold - Save \$885.30	
1610 chisel plow 10' 3-pt. ht. - Save \$176.60	

MONEY OFF THE TOP TILLAGE DISCOUNTS

John Deere discounts these new tillage tools by 5 to 10 percent and waives finance charge to March 1, 1984



Just as you're getting into the fall/spring tillage season John Deere announces a big dollar-saving offer on major tillage tools. Depending on the tillage tool you buy (see the chart), your dealer will deduct 5 or 10 percent from the latest base machine price. For example, the discount on an 18½ foot 235 Disk would save you more than \$1100. On any of these you can save even more by financing with John Deere. Finance charge will be waived to March 1 1984 for qualified buyers *

Machine	Discount from Suggested Retail Price
Moldboard Plows	5 percent
Chisel Plows	10 percent
Field Cultivators	10 percent
Disks	10 percent
Mulch Tillers	10 percent
Mulch Finishers	10 percent

* Availability of John Deere financing subject to approval of credit.
 * This offer may be reduced in value or withdrawn at any time.



LANDIS BROS., INC.

1305 Manheim Pike, Lancaster, PA 17601
 Phone -717-291-1046



FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

Case**GEHL**
HESSTON
FARM EQUIPMENT**SAME**Priced
To
Sell!!!

- ★ (2) Used 7655 Field Queen Harvesters, Side Dump
- ★ Hesston SH10 Stacker

USED SKID STEER

Gehl 2600, 26 HP, Gas, 54" Bucket
Gehl 4500, 40 HP, Gas, 65" Bucket
Case 1845, 45 HP, Gas, 73" Bucket
Case 1845, 45 HP, Diesel, 73" Bucket
Case 1740, 40 HP, Diesel, 66" Bucket
Owatanna 1700, 36 HP, Gas, 60" Bucket

Case 1390 - 60 HP
\$12,000 Cash

SAME Corsaro "70"
68 HP, 4WD
\$16,000 Cash

USED TRACTORS

Case 570 w/Loader \$ 5,500
Case 1370 w/Cab, 2000 Hrs. \$17,500
Case 870 w/Cab, Turbo \$11,500
Case 1030, Turbo \$ 8,500
IH 1086 Cab, Turbo \$16,500
MF 1135 \$12,500
AC WD-45 \$ 1,700
David Brown 1200, 600 H.P. \$ 3,800

STOUFFER BROS. INC.

1066 Lincoln Way West, Chambersburg, Pa.
Phone 717-263-8424

USED TRACTORS

JD 4630, cab, air, power shift, exc. cond.
JD 4430, cab, air, quad range trans.
JD 4430, power shift, roll guard
JD 4320, no cab
JD 4520, new tires
JD 4230 w/rollguard
JD 4230 cab & air
JD 4020
JD 4020, power shift
JD 2940, w/roll guard w/500 hrs.
JD 2640 w/700 hrs.
JD 2020 diesel
JD 3020 gas

JD 3020 Diesel, Syncro
JD 1530 & 2030
JD 720 diesel electric start
JD 3020 diesel, power shift
IH 966, cab and air
IH 1466 w/cab
IH 1256 w/cab
IH 656 wide front
IH 574 w/loader
IH 2400 w/loader
Ford 9600
AC 7030 w/cab, real nice
AC 7030
AC 210 diesel
White 4-180 w/duals, quick coupler, used 2000 hours.

USED COMBINES

JD 7700 diesel w/6 row corn head
JD 55 corn special
JD 6600 Diesel
JD 4400 w/4R cornhead

JD 4400 diesel
Oliver 525 w/2 heads, exc. cond.
NI 702 tractor w/710 combine

USED HARVESTERS

Fox 2 row snapper head
Used Mordge grain dryer
Late Model NI 702 uni tractor w/767 Super Chopper, 3 row head & pickup head

Fox 2000
Fox Custom 90
NH 770 w/2 heads

MISCELLANEOUS

1980 Chevy tandem w/26' Jerdan rollback, like new
JD power till grain drill
IH 510 grain drill
IH Bigroll baler
JD 346 wire baler w/thrower
JD 346 twine baler w/thrower
NH 278 baler
Keewanne 20' hydraulic fold disc
JD 21' hydraulic fold disc

Large selection of smaller discs
Large selection of plows from 3 to 7 bottom
Gehl 2600 skid steer loader, used 800 hours
Gehl 9' haybine
NH 469 haybine
New Farmhand loaders for IH and JD tractors

D & R EQUIPMENT INC.

Ringoos, New Jersey

(201) 782-5082

Special Of The Week

**Reconditioned
2200 GALLON
MANURE
TANK SPREADER**

Less Than \$1.00 Per Gallon

EQUIPMENT FOR SALE OR LEASE**BADGER**

3,000 gal. liquid manure tank
1,500 gal. vacuum tank
205 Bushel Manure Spreader
Forage Wagons
Forage Blowers
Bedding Chopper for Mulching
Persuader Pump agitator for Lagoons
Handy High Pressure Washers



Oswalt Mix Wagons
Grain Drill with band seeder
Also:
Registered Holstein Bulls

SHOW-EASE STALL CO.

573 Willow Rd. Lancaster, Pa.
Ph: 717-298-2536

USED TRACTORS

Waiver of Interest until March 1, 1984

- '64 JD 4020 Diesel, wide front
- '68 4020 diesel, wide front
- '68 4020 diesel, power shift, cab
- '76 JD 8630, 4WD w/dual 30.5x32 - 24.5x32 dual tires, 3765 hrs., nice condition
- TO-30 Ferguson
- '71 JD 4320
- '73 IH 766 wide front, 3 pt. hitch
- IH Super M

CORN PLANTERS

Waiver of Interest until April 1, 1984

- '82 AC Model 333, 15-20" Row, No-Till Bean Planter, Dry Fert., Insecticides
- JD 7000 8-30 Dry Fert. No Till Coulters Insecticides, Monitor
- IH 6-30 air planter
- JD 1250 plateless

USED CHISEL PLOWS

- IH 13', 3 Pt.
- Graber 26" Flex

USED PLOWS

- JD F145 - 5-16 Semi Plow
- JD F145 - 5-16 Semi Plow w/harrow attachmant

USED COMBINES

Waiver of Interest till January 1, 1985

- '73 JD 7700, hydrostatic drive, turbo, 16' platform
- '74 JD 7700 - Rotary Screen, Mud Hog Drive, 16 Ft. Platform
- '75 JD 7700 - Rotary Screen, 16' Platform
- '73 JD 7700 hydrostatic drive
- '76 JD 7700 rotary screen, gear drive, 215 flex cutterbar

'81 JD 8820 4 wheel drive, factory duals, 1100 hrs., w/1243 corn head & 220 flex cutter bar, exc. shape

CORN HEADS

Good Selection of John Deere
443-444-643-843 Cornheads

MISCELLANEOUS EQUIP.

- Bish head adapter to install JD corn head on NH TR70 combine
- JD 653 row crop bean head
- JD RG4 cultivator
- M&W 450 grain dryer, PTO dry
- JD 210 14' disc harrow
- JD 38 Harvester w/2 RW Head
- JD 38 Harvester, Electric Controls, w/2 RW Head, 5 1/2' Pickup Attachment
- JD RG8 Cultivator, 8-30" Rows
- Tye drill 24 tine, double disc opener, 3 pt. hitch
- Caldwell grain cart, 700 bushel
- IH 13' 2 bar chisel plow

W.N. COOPER & SON, INC.

Morgne Rd. Rt. 291

Chestertown, MD

301-778-3464



International 1066-766-544, Super MTA & Snow-plow, Super H, H & Snow Plow, Super C & Snow Plow, 140 & Culti., Super A & Woods L59 Mower, Case 870 - 730 CK, Massey Ferguson 3165 & Loader, Ford 2000, 600, NAA, 8N, Allis Chalmers New 5050, 5040 - A.C.B. & equip., Chisel Plow, 7-9-11 tooth 3 pt. & Pull Type, New King Disk Harrow & used Disk Harrows, New Idea P.T.O. Spreader, Used New Holland P.T.O. Spreader (like new), Snow Plows Custom Built for your Tractor & all kind of New & Used Equipment.

York County Farm Equip.

Emigsville, Pa.

717-764-6412 or 717-764-5115
Blaine or Steve.

USED TRACTORS

AC 7030 w/cab, 7000 w/cab, 200, (2) 1981T w/cab, 100 w/loader, 175D, 175D w/cab, 3000, D 19 gas, D 17 w/loader, D 17 gas / diesel, D 15, WD 45, D 10 w/mower, FORD 4000 w/loader, 5000, (2) 2000 w/loaders, 801 Powermaster, 800, 801 Workmaster, 8N, JD 2440 w/loader, 3020 Diesel, power shift, side console, 4030 w/cab, 3010, 2040D, B w/cultivator, MF 265D, 175D, (2) 105, 150, 50, 35 w/loader, Ferg 30, IHC 544 Gas, 504 w/3 pt., 364 D, 806D, 230 s/c, Super A, A, Cadet w/mower, Kubota M-4500 4WD tractor w/loader.

MANURE SPREADERS

Large Selection USED (2) NI 214's, 213, Flail w/gate, NH 518, 512, 670 w/gate, NH 382 Barrel Spreader, 202 Gr Drive, JD 465 Barrel Hyd Slide Top, Starline 830 Roto Spreader Hyd Top, Hawk Bilt 157 Barrel, Better Bilt Vacuum Liquid Manure Tank, Plus wide Selection of NEW Spreaders - over 50 units to choose from including Hedlund Martin's Low profile side spreader w/50' pattern.

FEEDING ACCESSORIES

USED NH 352 & 358 Grinder Mixers, GEHL Mix All, IHC 1150 Mixer Mill, Farmhand Tub Grinder F800, Hesston Stack Processor 10, Hesston Stack Mover 10W, NEW Ubler Silage & Grain Carts, Regrinder Blowers, USED NH Hay & Grain Elevators, NEW Zimmerman Elevators, Various Used Forage Wagons, Like New IHC 110 w/roof, 3 beater Chuck Wagon.

INDUSTRIAL

JD 401 A Loader, (2) JD 440 Skidders, AC H3 Loader, AC 840 Tractor Loader, AC 715 D Tractor Loader Backhoe, AC 715 B, Grizzley 3 pt. backhoe, MF 30 Loader, IH 500 Dozer w/6 way blade, JD 350 Diesel dozer w/6 way blade, Industrial MF 165 Tractor w/angle snow plow, Ford 4500 tractor loader, 3 pt., PTO and cab, Ford 4500 tractor loader backhoe, Bobcat 610 skid steer w/Deutz Diesel engine, just rebuilt.

MISCELLANEOUS

Used 8' Brillion Cultipacker Seeder, Large GMC Power Unit w/PTO Clutch, (3) 2 row Potato diggers, IHC 1 row Potato digger, Tree Transplanter, Wide selection rotary mowers, sprayers, planters and other equipment, Bush Hog 9' plowing disk, Miller 12' plowing disk, JD disk harrow, shaver post driver, snow & material scraper blades, NH 256 & 258 side rake, very good cond. Various loaders & buckets, large selection of lawn spreaders. Call us for specials. JD 9' snow plow, Myers ST-90 power angel, Myers tractor mount ST-84 snow plow.

Call Us For Your Snow Plow NEEDS
Largest USED Selection in Area.

SPECIAL PURCHASE

New AC 4 Btm 16" 3 pt. Hitch Spring Trip Beams w/Slat Bottoms. Ideal For Muckland.

Only \$1495.

Less than 50% of current retail price

WEEK'S SPECIAL

Ford 5000 Diesel, PS, 10 speed gear Transmission, Good Rubber, Heavy Duty Front End Loader w/Sep. Hyd. Pump, Good Cond.

Only \$5995.

MARSHALL MACHINERY INC.

5 Miles East of Honesdale, Pa.

On Rte 652 Phone 717-729-7117

Sales & Service

for AC, NI, HESSTON

KUBOTA, BRILLION, STARLINE

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT



HARD WORKING VALUES
Waiver of Finance - Low Rate Financing
Low Cash Deals

NEW EQUIPMENT

3288, demo 370 disc
784 RC w/TA 720 auto. reset 5 btm.
684, 4 wheel drive 2250 loader
1420 combine, demo #50 Shredder

WHITE TAG SPECIAL
1420 Combine with 810 head

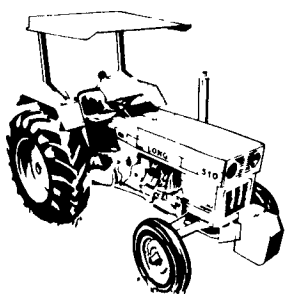
USED EQUIPMENT

1066, coming in 1256
706 Diesel
IH 424
Farmall BN w/cultivators
2 Super C's
Super AV
Haines bulk bodies
Ziggy bulk body, 16'
Mayrath auger 6"x27"
1500 Schwartz loader
800 workmaster loader
Massey Drill 16x7

White 5400 no-till planter
Potato planter
JD 2 row potato digger
Ontario grain drill
Vicon disc mower conditioner
NH S69 baler
IH #37 baler w/thrower
IH forage blower
Gehl 4500 Skid loader
NH 1010 bale wagon
IH 3120 backhoe
NH 512 spreader
Stone pickers

RINGTOWN FARM EQUIPMENT

RD 1, Ringtown, PA
717-889-3184
Since 1949



LONG FALL TRACTOR SALE!

New Long 910... 72 HP **\$12,000**
New Long 260 **24 HP**
Long 460, Low Hrs...42 HP ... **\$5,995**
New Long 510... 48.5 HP **\$8,779**
New Long 7'9 3-Pt. Disk **\$1,388**
New Long 60" 3-Blade, 3 Pt. Mower **\$970**
New Long 6' Box Scraper **\$656**

MAIDENCREEK FARM SUPPLY

Blandon, Pa.
215-926-3851
Between Rt. 61 & 222 on Rt. 73
The Orig. & Only Berks Co. Long Dealer

Pre-Season **Service Savings** **PARTS VALUE OF THE MONTH**



SAVE!

10% CASH DISCOUNT ON ENTIRE JOB
(Parts, Labor And Transportation Charges)
SCHEDULED THRU DEC. 30th
Financing Available

FIX IT while the fixin's good!

Get set to go. We'll be glad to send a service technician directly to your farm for a Pre Season check up of your tractor, combine or planter. If work is needed, we'll do it while time is still on your side and at special off season prices.

Call us today for full details!

INTERNATIONAL HARVESTER

Swope & Bashore, Inc.

Under New Management

OPEN MONDAY TO FRIDAY
7 AM To 5 PM
SATURDAY 7 AM To 11:30 AM

RD 1, Myerstown, Pa.
Located 1 Mile S. of Int. 78 & 6 Miles
N. of Myerstown on Rt. 645 in Frystown
PHONE 717-933-4138

Area Codes 215 & 717 Call Toll Free 1-800-692-7467

Buy at Dealer Invoice

Model	Invoice Price
No. 323 Single Row Cornpicker.....	\$6107.97
• Plus Freight & Setup Charges	
No. 245 Spreader	\$6440.00
• Plus Freight & Setup Charges & Tires	
No. 406 Rake	\$2041.44
• Plus Freight & Setup Charges	

We're Dealing Straight From the Invoice

Now, for a limited time, we'll sell selected New Idea equipment on our lot at the factory invoice price.

We are sacrificing profits now to lower our inventory investment cost during the winter months.

THINK ABOUT

- Our low prices
- Your trade in allowance
- Investment tax credit
- Re-Investing your PIK income

See us now. Check the invoice and save on top quality New Idea equipment at our lowest possible price.



FACTORY INVOICE PRICING

AVCO NEW IDEA

MILLER EQUIPMENT CO.
RD 1, Bechtelsville, Pa.
215-845-2911

SLURRY BUGGY Vacuum tank Liquid Manure Spreader

1500 gal tank will load in approx. 1 1/2 minutes



2900 gal tank will load in approx. 2 1/2 minutes

1500 & 2900 gal. tank spreaders designed to load and unload fast to save you time

- | | |
|---|--|
| Standard: | Option: |
| * Large 192 CFM model M 10 MORO pump | * Giant vacuum pump, 350 CFM for loading heavier liquid manure (Wally model 750) |
| * 6" hose inlet for fast loading | * 6" hand side valve for easy loading |
| * Hydraulic rear valve and indicator | * 2 and 4 tooth injectors for injecting your manure |
| * Moisture trap and secondary trap for pump protection | |
| * Load level indicator and sight glass | |
| * Heavy duty walking beam suspension on 2900 gal. model | |

Buy your own spreader and you can:

- 1 - Haul your manure when and where you want to.
- 2 - Help keep your farm disease free by hauling your own manure.
- 3 - Use spreader in summer time for hauling water to water your crops or garden.
- 4 - Use spreader for hauling liquid fertilizer or feed.
- 5 - Put on injectors and inject your manure, save on fertilizer \$ and keep your neighbors smiling. (less smell).

Look at our Prices:

1500 gal. spreader with used 1000-20 truck tire - \$5,375
With new 26 ply air craft tire - \$5,695
2900 gal. spreader with used 1000-20 truck tire - \$6,800
With new flotation tires - \$7,300
Prices include 14 foot of suction line

Farmers replace your old pump with one of ours



- Rotor Speed 1000 RPM's
- Air Capacity 192 cfm
- PTO Speed 540 RPM's
- Built in two way valve to change pump from vacuum to pressure.
- Built-in oiler to lubricate pump.

VACUUM PUMPS, HOSES, TRAPS, VALVES, ACCESSORIES

SLURRY BUGGY EQUIPMENT

RD 2 Box 148

717-859-3869

Ephrata, PA 17522

FARM EQUIPMENT

FARM EQUIPMENT

USED FARM EQUIPMENT

JD model 50 tractor
JD 4240, like new
JD L Tractor w/plow & cultivators
MF 220 tractor, 26 HP w/mower
MF 1085 tractor
IH 1086 tractor w/cab
JD F125, 4x16, 3 pt. plow
JD F145A 5x16 semi-mount plow
JD F350 4x16 hydraulic reset plow
JD 11" field cultivator
Freeman loader for MF 135 tractor
JD 336 baler w/ejector
JD 346 baler w/ejector
NH 855 round baler, 2 mth. old, like new
JD 14T baler w/#2 ejector
JD 567 6 wheel rake, like new
IH 56 corn planter w/disc openers
JD 494A Planter
JD 8300 grain drill, dd openers, 21x7
JD FBB 13x7 grain drill, excell. cond.
JD FBB 17x7 grain drill
JD FBB 17x7 grain drill for parts
JD 444 corn head

NEW FARM EQUIPMENT SPECIALS

JD 2440 Tractor w/HVLo Shift,
Roll Guard & Canopy, 16.9-30
Rear Tires \$18,000*
* Above prices include JD rebates.

	L.P.	S.P.
JD 950 Roller Harrow 12'	6133.00	5250.00
JD 90 Skid Steer loader	10,633.00	8495.00
JD 146 loader	3576.00	2750.00
JD 1550 power tail seeder	10,996	6595.00
Artsway forage boxes, 16', 3 beater w/roof	5287.00	4895.00

PRICE

NEUHAUS'ES INC.
John Deere Sales
& Service
RD2, York, PA 17403
Phone - 717-428-1953

MF
Massey Ferguson



Massey Ferguson Inventory
Reduction

New MF Compact Tractors,
9.9% Financing for 36 Months

New MF 30-99 HP Tractors
2000 Series Tractors &
4000 Series Tractors,
9.9% Financing for 48 Months
or Waiver of Finance Charges
Until June 1, 1984

Selected Used Tractors
10.9% Financing for 48 Months
or Waiver of Finance Charges
Until May 1, 1984

Plus Big Discounts
Limited Time Offer

NEW EQUIPMENT IN STOCK

MF 220 baler
MF 224 baler
MF 212 bale thrower
MF 860 diesel com-
bine, hydro

MF 1144 corn head
MF 1163 corn head
Du-Al 200 bushel
manure spreader,
\$4650

USED EQUIPMENT

MF 510 combine
MF 760 combine w/6
row corn head &
16' grain table
MF 750 combine
w/63C corn head &
14' grain table

MF 410 combine w/4
row corn head
MF 2675 diesel tractor
MF 285 diesel tractor

Renting skid steer loaders.

Radio Dispatched Service
ABRACZINSKAS

Farm Equipment, Inc.

RD1, Catawissa, PA.
717-356-2323
(south on Rt. 42)

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

CARTS AND
SCRAPERS

Carts with Farm Built
Wheels
1 Year Guarantee



FOR SALE

Auto turn carts and
five angle scrapers
Reassemble with
two bolts

Scrapers \$175
Carts \$285
with brake
Carts \$245
without

Scraper good for
barn yards, stones
& snow

SAMUEL F. STOLTZFUS
RD 1 Box 199
Christiana, Pa. 17509
at Bartville

Used Equipment Specials...

Case 646 Loader and Backhoe
Used wood splitters
Woods 80" 3 pt. Rotary Mower \$750
B 7100 4 Wheel drive Kubota,
500 hrs. Was \$4,500... Now \$3,995
PiX tone 30" Stone Picker \$595

New Equipment Specials...

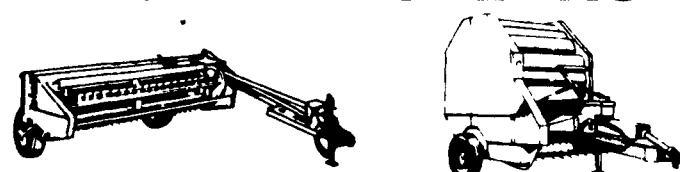
Yanmar 15 HP 2-WD \$3,695
Yanmar 15 HP 4-WD \$4,100
AMCO Disk \$4,495
Landoll 7 Tooth Chisel Plow \$1,500
Fuerst Flexible Tine Harrow \$650
500 Gal. Field Sprayer, 35' Boom . \$1995
3 pt. Cordwood Saw
3 pt. Hookup Cement Mixer

**MARTIN HARDWARE &
EQUIPMENT CO.**

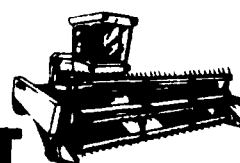
1½ M. south of Schaefferstown, Pa.
on Rt. 501
Phone 717-949-6817
Open Mon.-Fri. 8 to 8; Wed. 8 to 12; Sat. 8 to 5



**"WINTER
SALE-A-THON"
EARLY PURCHASE/
DEFERRED PAYMENT
+BONUS DOLLARS**



TILL JUNE 1, 1984 ON ALL
AGRICULTURAL EQUIPMENT DURING
NOVEMBER, DECEMBER & JANUARY



**ASK ABOUT THE BUY
NOW & PAY NEXT SEASON
PROGRAMS!**

NEW EQUIPMENT SPECIALS

OMC 432 HYD.
GRINDER MIXER

Dec.
Special **\$5,995**

McCurdy Running Gear 8 Ton \$680.00
McCurdy Running Gear 10 Ton \$720.00
McCurdy Running Gear 12 Ton \$1030.00
McCurdy Gravity Bin 230 \$587.00
McCurdy Gravity Bin 275 \$695.00
NEW IDEA 323 PICKER \$4950.00
NEW IDEA 272 CUT-DITIONER \$3750.00
NEW IDEA 213 SPDR. E-GATE \$3650.00
H&S 220 Bu. SPDR. E-GATE \$3797.00
H&S 295 Bu. SPDR. E-GATE \$4996.00

USED EQUIPMENT

Landoll 11'2" SOILMASTER N.H. 36 R. CHOPPER
N.H. 488 HAYBINE I.H.C. H Tractor
N.H. 469 HAYBINE J.D. 2640 TRACTOR

ARPS Half Tracks

Universal Myers Tractor Snowplow

Stanley A. Klopp, Inc.
Bernville, PA
215-488-1510

Owatonna Manufacturing Co. Inc. Owatonna, Minnesota 55060

DEPENDABLE MOTOR CO.

East Main St., Honey Brook - Pa. 215-273-3131-273-3737

NEW EQUIPMENT SPECIALS

NH 488 & 489 (Demo) Haybines	Special Price, Give Us A Call
NH #311 Baler PTO	\$6300
NH #311 Engine Baler, Hitch & Chute, Steel Wheels	\$8700
NH #456 Mower	\$2240
NH #258 Rubber Tine Rake	\$2515
NH #28 Blower	\$2650
NH #718 Harvester (1 only)	\$6100
NH #791 Spreader, 11:20 Tires	\$7130
NH #303 Liquid Tank Spreader, Demo Rental w/injectors	\$6950
Pittsburgh 4B 18" Semi Mtd. Auto Reset Plow	\$5275
Pittsburgh 12' Field Cultivator, 1 only	\$1295
Butler Nesseth Trail Manure Pump	\$4950
Hutchmaster Disc 22x¼" blades D.O.T. Flex Gang 5600 lbs.	\$6200
Dunham 3 Bar 8 Tooth Chisel Plow	\$1695

• SPECIAL DEALS ON THE ABOVE PLUS FREE FINANCE ON
NEW & USED NEW HOLLAND HAY EQUIPMENT TILL JULY 1, 1984
& FORAGE EQUIPMENT TILL SEPT. 1, 1984 OR
4.9% 1 YEAR, 7.9% 2 YEARS, 10.9% 3 YEARS
SPREADERS AND GRINDER-MIXERS TILL OCT., 1983

SPERRY NEW HOLLAND

DEALER FOR



Livestock
Systems

TERRE HILL SILOS
DUNHAM

Leasing Available

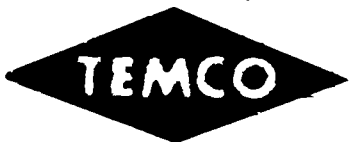
USED EQUIPMENT

NH 467 Haybine
Hesston 1090 Haybine
NH 451 Mower
7' 3 pt. hitch York Scraper Blade w/100 h.p.
rating
NH 273 Baler
NH 56 Rake
NH 770 Harvester w/2
R Head 1,000 RPM

NH 770 R2 Corn Head
NH 717 N2 Corn Head
NH 717 Pickup Head
NH 512 Spreader w/Hyd. Endgate
12' Mid West Harrow
Bush Hog 5' Rotary Mower
Case 4B Plow
Oswalt 1830 Ensilmixer

DEPENDABLE IS MORE THAN OUR NAME

ENGINE OVERHAUL KITS, CLUTCHES,
PRESSURE PLATES & BEARINGS
STARTERS, ALTERNATORS, GENERATORS



CHECK TEMCO CATALOGUE OR CALL
STANLEY A. KLOPP, INC.
BERNVILLE, PA 215-488-1500



WISCONSIN ENGINES



ADAPTABLE TO
MOST APPLICATIONS Sales and Service

SALES & SERVICE MILLER'S REPAIR

1 Mile North of Bird-in-Hand
8 Miles East of Lancaster
RD1, Bird-in-Hand, PA Ph: 717-656-6109

1 S-30 Davis Stationary
Horizontal Batch Mixers
w/Beam Sealer
(Brand New) \$12,465.00
Will sell for \$9,032.00

Farmer Boy Ag., Inc.
410 E. Lincoln Ave.
Myerstown, PA 17067
717-866-7565

FARM EQUIPMENT

WANTED
2 or 4 row no-till
corn planter
717-225-3616
York County



Hesston 7650 4 whl.
drive SP
Fox 3310 pull type
NI 802 Uni w/Harvester
Auto Roller Mill-Blower
TILLAGE EQUIP.
Glenco SS9 Soil Saver,
Demo
Bush Hog 1500 Soil Hog
5, 7 & 15 Shank
USED TRACTORS
White 2-155 4 Whl. Drive
1982 500 hrs.
Oliver 1850 tricycle
Oliver 77
Ford 6000 Dal.
Farmall M
Hesston 480 4 WD., - 45
h.p., w/loader
Case 1210
Case 430 w/Loader
Hydramac 8C skid
loader, like new
IH 544 Gas, wide Front
End

Save **tagged for SAVINGS** Save

**DURING OUR
YEAR-END**

Prices Good Til Dec. 31

or

**WHILE
THEY
LAST**

CLEARANCE

NEW TRACTORS

AC 7060 P.S. w/Cab & Air & Fully Weighted \$29,900.00
AC 6080 (Demo) 390 Hrs. w/Front & Rear
Wgts \$16,900.00
AC 6080 w/Front & Rear Wgts
Was \$14,995.00 Now \$13,995.00

Note: All Prices above are Cash Prices w/Rebates
already taken off.

NEW HAY EQUIPMENT

NH 495 12 ft. Haybine — \$10,995.00
NH 847 Auto-wrap Round Baler — \$7,995.00
NH 1003 Bale Wagons — \$9,995.00
NH 311 Baler w/75 Hyd. Thrower — \$9,295.00
NH 1495 Hy. S.P. Haybine w/Air & Cleaned Tires,
Diesel — Call
NI 484 Round Baler w/Elec. Tie — \$8,525.00
NI 509 9Ft. Mower Conditioner — \$7,095.00
NI 565/560 Baler w/Bale Thrower — \$8,925.00
NI 404 Wheel Rake — \$1,150.00
NI 406 (9½ ft.) Bar Rake w/Dolley Wheel —
\$2,095.00
NH Dual Rake Hitch — \$465.00
NH 489 Haybine (old Price) — Call

NH 358 Grinder Mixer (125 Bu.) — \$8975.00
NH 847 Round Baler (Auto Wrap) — \$7995.00

Note: All New Idea Prices above are Cash
Prices w/Rebates Already off
All New Holland Prices above are Eligible for
New Holland programs now in effect

NEW COMBINES

N-5 Combine w/15 Flex Header & N630 Corn —
\$69,995.00
FK2 Hy. Combine Priced w/No Heads —
\$42,995.00
Straw Choppers For FKS Combines — \$895.00

Note: All Prices above are Cash Price
w/Rebates already taken off.

NEW FORAGE EQUIPMENT

NH 892 Forage Harvester w/Melartert (No Heads)
— \$12,695.00
NH 782 Forage Harvester w/1000 RPM & Elec.
Controls (No Head) — \$10,250.00
NH 718 Forage Harvester w/540 RPM (No Heads)
— \$6,995.00
NI #621 (57" Fan) Forage Blower — \$1,725.00

Note: All New Idea Prices above are Cash
Prices w/Rebates already off
Note: All New Holland Prices above are
Eligible for New Holland Program's now in
effect.

NEW UNI EQUIPMENT

802 UniTractor w/rearwheel Assist, Air Cond.,
Fully Wgtd. — \$43,995.00
868 Forage Harvester (8 knives) w/Drive Bundle —
\$11,225.00
866 Uni Pickup Head — \$3,125.00
767 Forage Harvester (6 knives) — \$9,150.00
766 Pickup w/Gauge wheels — \$2,395.00

NEW CORN PICKERS

324/327 2 Row Wide w/12 Roll Husking Bed —
\$9,750.00
325/327 2 Row Narrow w/12 Roll Husking Bed —
\$11,650.00
323 Single Row Picker — \$6,225.00

Note: All Prices Above are Cash Prices
w/Rebates already off.

MANURE SPREADERS

NI 352, 220 Bu. w/10-20 Tires, Upper Beater, Hyd.
Endgate, Front Box Ext. \$5,695.00
NI 352, 220 Bu. w/10-20 Tires, Hyd.
Endgate \$5,340.00
NI 382, 220 Bu. Solid Plus Spreader. \$6,875.00
NI 384, 386 Bu. Solid Plus Spreader \$10,995.00
NH 679 Spreader w/Hyd. Endgate & Pan At-
tachment — \$6,495.00
NH 679 (275 Bu.) Manure Spreader w/Hyd. En-
dgate, Pan Att. — \$6,495.00
NH 791 (350 Bu.) Manure Spreader w/Hyd. En-
dgate — \$7,995.00
NH 519 Manure Spreader w/Upper Beater & Hyd.
Endgate — \$5,795.00

All New Idea Prices above are Cash Prices
w/Rebates already off
All New Holland Prices above are Eligible for
New Holland Program's now in effect

MISC. NEW EQUIPMENT

Behlen Corn Crib-12'8" FxL-15 865 Bu. — \$860.00
230 McCurdy Gravity Bin w/6 Ton Running Gear
w/New Tires — \$1,225.00
Century Field Sprayer 3 Pt. Mounted 200 Gal. w 8
ft. Boom — \$995.00

USED EQUIPMENT

TRACTORS

AC 7020 P.S. w/Cab & Air & Fully Wgtd. . \$18,900.

CORN PICKER &

COMBINES & CORNHEADS

NI 324/1327 Cornpicker 2 Row Wide w/12 Roll
Husking Bed
AC KKS Combine (1976) w/10 Ft. Header
MF 300 Combine w/Cab & 10 Ft. Header
MH 82 Combine
2-MF QT 24 Corn Head (2 row wide)
AC KL 238 Corn Head (2 row wide)
AC A430 Corn Head (4 Row Narrow)

★ Coming In...Used FKS2 Gleaner Combine
(450 Hrs.) w/A 430 Cornhead

USED HAY EQUIPMENT

2 NH 320 Balers w/Bale Thrower
NH 315 Baler w/Super Sweep Pickup — No
Thrower
NH 282 Baler w/Bale Thrower
NH Super 68 Baler w/Thrower
IH #37 Baler w/Bale Thrower
NH 489 Haybine
NH 479 Haybine
IH 990 Haybine
JD 1209 Haybine
OMC S.P. Haybine
Hesston 5600 Round Baler
NI 256 3 PT. Sickle Bar Mower

USED UNI EQUIPMENT

709 Uni Tractor w/Cab & Air, Rear Wh Assist &
Fully Weighted
706 Uni Tractor w/Cab & Heater
702 Uni Diesel Tractor w/Cab
702 Uni Gas Tractor w/o Cab
702 Uni Gas Tractor w/Cab
717 Uni Combine w/713 Grain Head
713S Grain Platform
2-767 Super Chopper Forage Harvester
760 Forage Harvester
774 4 Row Chopper Head
2-762 2 Row Wide Chopper Head
3-766 Pickup Heads
724 3 row Wide Stripper Head
744 N 4 R Solid Stripper Head
729 A Supersheller
770 Ear Corn Adapter

USED FORAGE EQUIPMENT

NH 707 3 PT. Mount Forage Harvester w/Corn &
Grain Head
NH 822 2 Row Narrow Chopper Head
NH #36 Flail Chopper (6 ft)
(2) Brady #722 Flail Chopper (6 ft)
NH Super 23 Forage Blower

USED MANURE SPREADERS

(Field Ready)

NI 244 (325 Bu.) Manure Spreader w/Hyd. Endgate
NI 218 (318 Bu.) Manure Spreader w/Hyd. Endgate
NI 213 (166 Bu.) Manure Spreader w/3 Beater
Hawk Built 187 RH (180 Bu.) Manure Spreader
Starline 930 Tank Spreader L.H. 200 Bu.

USED SKID STEER LOADERS

NH L325 Skid Steer Loader w/54 Bucket
Hydra-Mac 8C Skid Steer Loader w/52" Mat. &
Man. Bucket
Gehl 4400 Skid Steer Loader w/4 Buckets



**AVCO
NEW IDEA**

ITCO

Dealer for ITCO Corp.
• Over 9,000 items
At Discount Prices

**SPERRY
NEW HOLLAND**

SHARTLESVILLE FARM SERVICE

RD 1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop.

**STOLTZFUS
FARM SERVICE**
Cochranville, Pa.
215-593-2407

STALK SHREDDING EQUIPMENT

New Brady 1440 12'
Shredder
New Bush Hog
15' & 20' Wing
Mowers
Used NI 270
Cut/ditioner
Used 14'
Bushhog Flail Mower
Used 7'
Bushhog Rotary Mower
Used C80
Woods Rotary Mower

USED HARVESTERS

MF 750 Combine 6R &
131 Grain Head
MF 410 D Combine
701 Uni
702 Uni
727 Husker w/3RN Head
Fox Super Dw/3RN
Pickup
Fox 3310
Fox 2000, 2 RN Head
Fox 2310 2 Row N &
Pickup
Fox 299 80" Flail Head
IH 830 w/3 row head and
pickup
NI 323 Picker, used 40
acres
NI 324 & 325 2 Row
Picker
Gehl 99 Blower

USED EQUIPMENT

White 5100 4 Row
Planter Dry Fert &
No-till
JD 7000 4 Row Conserv.
Planter
AC 4R Planter
NI 710 Combine
NI 725 3R Head
Kuhn 13' Tedder
Kewanee 20' Field
Cultivator
JD 216 Wagon, 3 btr. &
roof.
Hesston 5500 Round
Baler
NH 320 baler w/thrower
like new
Gehl 910 Fg. Wagon, 3
btr. & roof
Bale thrower wagon
3 pt. backhoe
Hesston 1014, 12 Ft.
Hydro Swing Win-
drower
JD 2280 diesel 14'
windrower
Westfield 744 auger PTO
Hough 25B Loader
EZ Trail Bin Wagon
Hesston 1400 gal. tank
spreader
NI 213 Spreader, end
gate
NI 214 Spreader, end
gate
Walsh 500 gal. skid
sprayer w/30' boom
29.8x38 Axle Duals for
AC 7040.



BUY ANY OF THESE PRODUCTS AND EARN A CASH DIVIDEND!

Models	Pull-Type	Models 707/	Models	Models	Models	Models	Models	Models
311	Windrower	718/782	1003	1036	1068	1069	1900	
316	or	892/1600	1037	1100	1075	1075	2100	
320	Mower-	Forage	1052	1116	505	1426	Forage	
426	Conditioners	Harvesters	Bale	1495	Bale	Wagons	Harvesters	
Balers	Round		Wagons	Windrowers	Balers			
Earn for								
initial								
purchase	\$300	\$300	\$300	\$400	\$400	\$600	\$600	\$800
Buy								
another								
product and								
earn an								
added	\$900	\$900	\$900	\$1 200	\$1 200	\$1 800	\$1 800	\$2,400
								\$3 000

Example: Buy a Model 311 baler and earn \$300 Then buy a Model 1003
bale wagon as your second product and earn an additional \$1 200 Your total
bonus for two products would be \$1 500

Come in and see us
for complete details.

WENGERS INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067

PHONE: 717-866-2135

NIGHTS.
PHONE:
717-866-7147
or
717-273-9089

ONE STOP SHOPPING - FINANCING AVAILABLE - TRADES WELCOME - REASONABLE PRICES

FARMALL TRACTORS

1066-No Cab	Coming in
Cub-Late Model w/Rotary	\$3850
200 w/FH	\$2000
806D	\$4950
756D	\$6500
856D	\$7500
856 w/Cab	Coming in
C - Good Rubber	\$1500
384 - 600 Hours - Nice	\$7850
756 Diesel-WF-3 pt	\$6850
1256 w/Cab - Air - Nice	\$10,450
656D Hydro	\$6350
1066 Red Cab - Nice	\$13,950
154 w/Rotary Mower - Nice	\$3850
1256 w/Cab - Clean	\$10,950
Cub w/Fast Hitch	\$2450
674D - 1974	\$5950
Cub w/Cult.	\$1850
15-30 - Antique	\$1750
1066 w/Cab - 1973	\$11,700
1466 w/Cab - Bad TA	\$7750
Cub - Mower - F.H.	
Snow Plow - Chains	\$2500
140 w/Rotary Mower	\$4500
544 Hydro w/Forklift	\$5000
706D WF 3 pt. - Nice	\$6450

MASSEY FERGUSON TRACTORS

1105 - Nice - 1973	\$8700
175D - Nice	\$6450
180 - Gas - Nice	\$5250
40 w/Sickle Mower & Cab	Call
165D - Nice	\$5450
135 Gas - Turf Special	Call
1080 Diesel - Nice	\$6450
35 w/Loader	\$3850
1150 w/Cab - Duals	Coming in
1130 w/Cab	Coming in
1130 w/Duals	Coming in

ALLIS CHALMERS

D21 Series II w/Cab - Air	\$7850
G w/Hyd. & 4 Tools	\$2500
WD45 w/Plow	\$2000
(2) G w/Rotary Mower	\$1850
200 w/Cab - Nice	\$9850
220 w/Cab	\$9450
185D	Coming in
190XT	\$5950

CASE

VAC - Nice	\$1250
(3) 930 Standard	From \$2500
1270 w/Cab - P. Shift - Nice	\$9850
930 CK w/Duals	\$5500
830 CK-Nice	\$5500

LONG

360 - New	\$8975
460 4WD - New	\$11,675
310C - New	\$6750
310, 4WD w/Loader - New	\$11,950
360 - 4WD - New	\$11,150

JOHN DEERE

330-Nice	Coming in
730 Diesel - Clean	\$4250
4020 Gas	\$5950
4020 Console - Cab -	
Gas - Clean	\$7950
4620 - P. Shift - Nice	\$12,450
4320 ROPS - WTS	\$11,700
4320	\$10,950
5010	\$6850
(4) A	\$595 & up
50	\$1450
4230 - ROPS - 1976	\$11,700
4030 - Syncro - 1974 - Nice	\$10,500
2840 - Clean - 1978	\$11,950
4520 - Nice	\$8700
720 LP w/3 Point	\$2000
"G"	\$1450
60 w/NI 2x Picker	\$3000
"D" - Antique	\$2000
"B" - Unstyled - Nice	\$1950
"A" - Unstyled - Rough	\$795
4430 w/SG - Air - Quad - 4WD -	
1976 - Clean	Coming in

"10" 4 WHEEL DRIVE TRACTORS From 30 HP to 175 HP

Ford County 6 - 3 Pt - PTO	\$5950
Case 2470 - Cab - 3 Pt -	
PTO - 1973	\$14,000
MM AT4-1400 - 3 Pt - PTO	
As Is	\$4950
White - 4-150 - Cab - 3 Pt -	
PTO	\$14,000
Mitsubishi Bison - New - 4WD	
30 HP	\$7850
4430 w/SG - Air - Quad - 4WD	
1976	Coming in
Deutz 10006 - 4WD - Nice	\$14,500

FORD

8700 Cab - Air - 1977	\$13,950
2000 w/Mower - Nice	\$4450
600 w/Loader	\$3250
9000	\$6500
5000D	\$5450
(4) Antique Fordsons	\$800 & up
8N w/Loader	\$2650
8600 - 1974	\$8950

OLIVER — DEUTZ — LEYLAND

1950T - Over/Under	\$8700
Deutz 10006 - As Is	\$3500
880 Gas - 3 pt. - P.S.	\$2950
1855 - Nice	\$8750
Leyland 384	\$4650
2-105 Clean	Coming in
1855 w/Cab - Nice	\$9850
1755 - Nice	\$8850
Deutz 10006 - 4WD - Nice	
	\$14,500

4 WHEEL DRIVE POWER



• WHITE 4-150 • CASE 2470
Both Have 3 Pt., PTO, Cab, Air, Etc.
Your Choice **\$14,000**

NEW EQUIPMENT SPECIALS

6' 3 pt. blades	\$195
7' 3 pt. blades	\$250
8' 3 pt. blades	\$350
6' 3 pt. Landscape boxes	\$475
6' 3 pt. disc's	\$495
7' 3 pt. disc's	\$695
3 pt. fert. seeders	\$275 & \$395
3 pt. boom poles	\$50 & \$100
Round bale feeders	\$145
3 pt. P.T.O. woodsaws	\$495
3 pt. 12" Post Hole digger	\$450
165 bu. gravity bins	\$475
210 bu. gravity bins	\$565
1 x 3 pt. plow	\$295
2 x 3 pt. plow	\$495
3 pt. bale mover	\$150
3 pt. potato plow	\$95
3 pt. subsoiler	\$150
3 pt. spike harrow	\$500 & \$600
6 ton wagon	\$425
8 ton wagon w/goodies	\$575
10 ton wagon w/goodies	\$625
11 ton tandem w/goodies	\$950
12 ton wagon w/goodies	\$950
5' 3 pt. rotary mower	\$495
6' 3 pt. rotary mower	\$695
4' pull rotary mower	\$675
5' pull rotary mower	\$695
6' pull rotary mower	\$895
6' 3 pt. stone rake	\$495
7' 3 pt. stone rake	\$525
8' 3 pt. stone rake	\$545
Speedy 1200 bushel corn cribs	\$895
3 pt. cement mixers	\$595

CHISEL PLOWS

10' to 19'
"V" Chisel

ROTOVATORS

Long 63" & 71" & 55"
Lely Roterra (13')

SPRAYER

150 gal. 3 pt.

TRANSPLANTERS

1x & 2x

"CLEAN" COMBINES

JD 4400
MF Super 35
IH 82 Pull Type
Case 660
(2) JD 45EB
GRAIN DRYERS
MC 600 & GT 270

DISCS

IH from 6' to 24'
JD from 8' to 13'
Total of 50 to select from

FIELD CULTIVATORS

JD - IH - Glenco

GRAIN DRILLS

IH 10 - 16 Disc
JD FBB - 11 Disc
JD FBB - 13 Disc
JD VB - 11 Disc
JD 1500 - No Till
JD FBB - 17 Disc
Ontario

DUALS

18.4x28 18.4x38
16.9x34 20.8x38
18.4x34 15.5x38
16.9x38

LOADERS

Ford - JD - IH -
Freeman
Souders

POTATO DIGGERS

1x & 2x
1x plows

ROTARY HOES

2x - 3x - 4x

ROTARY MOWERS

Used 5' to 13'
New 4' to 6'

WAGONS

All Makes & Types

FEED MILLS

NH 352 - 357
OMC 424
Hammermills

FERTILIZER DRILLS & SPREADERS

JD & Case
Calhoun Tandem Axle
Spreader

CORNPICKERS

NI 319 - 305 - 325
- 323 - 7 - 324
Ford 1x 3 pt.

SNOW BLADES

4' to 7'

MANURE SPREADERS

Badger Honey Wagon
Clay Honey Wagon
Hawkbilt Tank
NI 1x & 2x (Tandem)
IH - NI - AC

STACKER

Hesston 10

STACK MOVERS

Hesston 10W
Hesston 30
JD 200
3 pt. Stabbers

HARVESTERS

Fox 2200 - IF
JD 35 - 25
NH 890 - Super 717
Gehl 800
AC 720
(100) Extra Heads

HAY RAKES

(Roto Bars)
NH 258 - 55
JD 671 - 50 - 640
NI

FLAIL MOWERS

NI 279 - 9'

Caldwell 6' 3 pt.

SICKLE MOWERS

JD - IH - NH - Case - NI
- AC

CORNPLANTERS

JD 7000 (6x) - 1240 -
290 - 246
Ford 309
MF 2x 3 pt.
IH 56 (4x) 2x FH
AC 770 (4x)

PLOWS

(Some Resets)

AC - 1x
Ford - 1x - 2x - 3x
MF - 3x Flip - 5x
JD 1x - 2x - 3x - 4x - 5x
- 6x
IH 1x - 2x - 3x - 4x - 5x
- 6x - 7x
Case 4x
Oliver 6X Reset

WINDROWERS

Ford 536
Hesston PT7

(25)

COMBINE CABS

SQUARE BALERS

NH 273 - 69 - 66
JD 14T
Case 230

ROUND BALERS

JD 410
Gehl 1500
Hesston 5600

BLOWERS

NH - IH - AC - Gehl

THE PEOPLE THAT DO BUSINESS

WENGERS INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067

PHONE: 717-866-2135

NIGHTS,
PHONE:
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ONE STOP SHOPPING - FINANCING AVAILABLE - TRADES WELCOME - REASONABLE PRICES

WENGER'S IS E-X-P-A-N-D-I-N-G
TO SERVE YOU BETTER
Used Parts — East Coast's Largest

CLEAN N.I. UNI SYSTEMS

(Mix & Match At-
tachments)

- Tractors - 706D w/Cab, 705D w/Cab 702 w/Cab
- Husking Beds - 727, 726, 721
- Harvesters - 767, 760
- Sheller - 729A
- Pickup Heads - 766, 761
- Grain Heads - 715, 713, 711
- 4 Row Cornheads - 844N, 738, 731
- 3 Row Cornheads - 743N, 735, 725, 763, 724
- 2 Row Cornheads - 723, 762
- High Moisture Throat For 760
- Combines - 710

(100) COMBINES - DISMANTLED

JD 7700-6600-4400-3300-55-45-40-12A
IH 815-615-315-403-303-203-205-105-101-93-91-141-127-64-76
MF 760-510-410-300-92-82-72-35-26-Clipper
Gleaner CII-EIII-A-E-60
Uni 704-702-701-717-710-Etc.
Case 960-660-600
NH 975-985
MM 4296-Oliver 525 & 535
Over 100 Corn & Grain Heads For Salvage

(100) HARVESTERS - DISMANTLED

JD 38-35-34-12-8-6
IH 650-550-55-50-350-16-15
Fox 2200-2000-1000-546-FA
NH 880-818-800-S717-717-770-616
Gehl 600-300-188-84-83
Case 300
Ford & Papeac

PARTS CALLS TAKEN

7:30 A.M. to 5 P.M.
WEEKDAYS

7:30 A.M. to 12 NOON
SATURDAY

PLEASE
NO CALLS
AFTER HOURS

PROMPT
SHIPMENT

CASH
SALES
ONLY

(50) BALERS - DISMANTLED

JD 214T-24T-14T MF 10
NH 269-78-569-69-68-67-66 AC 303
IH 57-47-37-27-55-45 Case
Oliver 720

HAYBINES — CORNPICKERS —
SPREADERS — CORNPLANTERS — HAY
CRUSHERS — BLOWERS — CORN SHELLERS —
CULTIVATORS — PLOWS — CULTIPACKERS —
CULTIMULCHER — DRILLS — RAKES — SICKLE
MOWERS — NI 7' & 9' CUT DITIONERS

CONSTRUCTION ITEMS - DISMANTLED

Crawlers: Backhoes:
Cat D2-D4-977-933-951B Case 680-530-320-210
JD 350-440-420-40-MC IH 3444-3600-3514-350
IH 175-100-TD14-TD9 Ford 4500-4400
TD6-340-500
AC HD4 Skidders:
Oliver OC46-OC3-OC6-HG JD 540 A & B
Case 310 Skid Steers:
Lots More Incidental Items Case 1737
Melroe 444

FARM TRACTORS FOR SALVAGE (OVER 2000) Most Makes And Models

CONSTRUCTION EQUIPMENT



NEW 1984 TRAILERS ON SPECIAL

- 2 Axle, 4 Ton. \$1450

BACKHOES

Case 530. Coming in
Ford 7500 . . . \$19,500
Ford 4500 . . . \$10,500
Long 5 in 1 . . \$16,500
IH 3820 \$16,500
MF 70 \$16,500
Ford 4500 . . . \$7500
Ford 4500 . . . \$9500
IH 3600 \$8500
Case 580CK . . \$6900
Case 580B - Cab -
Extendahoe . . \$13,500

Case 580B . . . \$8000
Ford 8N \$3500
Hein Werner
C12 \$8500
IH 3444 \$7500
Ford 5500 . . . \$12,500
IH 260A \$14,500
IH 3414 \$5900
Ford 3400 . . . \$7500
IH 3500 \$8950
White \$7500

BACKHOE ATTACHMENTS

IH 3 pt. \$2500
Sherman \$2000
JD 93 \$3500
JD 93A \$4900
Case \$2000
McConnell . . . \$2200
Long - New . . . \$4450
AC \$2000

CRAWLER LOADERS

JD 450 - As Is . . \$6500
Cat 955H \$16,500
Cat 951B \$21,500
JD 350B
w/Backhoe . . . \$18,500
Cat 977L \$68,500
JD 350 w/4 in 1
..... \$8950
Case 350 \$8950
IH 340 - Gas . . \$4000
Cat 941B \$26,500
Cat 955K Coming in
AC FL10B \$18,000
Case 450 w/Hoe
..... \$11,500

DOZERS

Cat D8H \$19,500
JD 450 -
6 Way \$12,500
Cat D4C \$12,500
IH TD8C \$18,500
IH TD14 Coming in

CONSTRUCTION DUMPS

1974 IH Diesel
w/9' Body - Air
Brakes \$10,900
(2) Mack 25 Ton Rock
Trucks Call
(3) Mack 20 Ton Rock
Trucks Call

TRACTORS WITH LOADERS

Ford 600 \$3250
Ford 8N \$2650
JD 400 \$7500
MF 35 \$3850
IH 2400 \$7500
IH 2400 Coming in

MISC. CONSTRUCTION

(40) Used hoe
buckets From \$100
(25) Loader
buckets From \$100
(30) Set forklift
forks From \$300
(6) Winches Call
Wayne 984 Diesel
Street Sweeper \$8950

LOG SKIDDERS

JD 440B \$13,500
(2) JD 540A . . \$13,500
JD 540B -
BURNED \$8500

RUBBER TIRED LOADERS

OMC 770 \$17,500
Trojan 154 . . . \$3000
JD 544 Coming in
JD 644 Coming in
Ford A62 1978 Nice
Cab \$27,500
Michigan 125 . . \$5500

TRAILERS

1984 2X 4 Ton
..... \$1450 & \$1600
1978 2X 6 Ton . \$2650
1983 3X 9 Ton . \$4400
1983 1X 2 Ton . \$1150
1984 2X 12 Ton \$5800
1978 Freuhauf - 42'
Flat \$7500
1983 2x6 Ton . \$3600
1977 10 Ton 5th
Wheel \$3950
Used 6 Ton . . . \$2250
Used 9 Ton . . . \$2750
Used 25 Ton . . \$3500
Used 15 Ton . . \$3500
Freuhauf 40'
Flat \$2500

FORKLIFTS

Int. 7000 - 21'
..... \$10,500
Int. 4500B -
21' \$12,500
IH 544 \$5000

CULTIVATORS

Ford 2x - 4x
JD 2x - 4x - 1x
IH 2x - 4x - 1x

TRACTOR CABS

(7) Used for JD 4020
..... \$350 to \$1500
Used for Ford 6000 . \$775
New for Ford 5000-7000
..... \$1800
(5) New for MF- 275 to
1155 \$2000
(10) Used Rollbars . . Call
New Cooler for Cab . \$500
(2) Used for IH 66 -
Nice \$1500
Used For JD 4230 . \$1250

CULTIMULCHERS

11' & 12' & 13'
Cultipackers

FLAIL CHOPPERS

JD 16A - 15A
Gehl 72
NH 36
MC

ELEVATORS & AUGERS

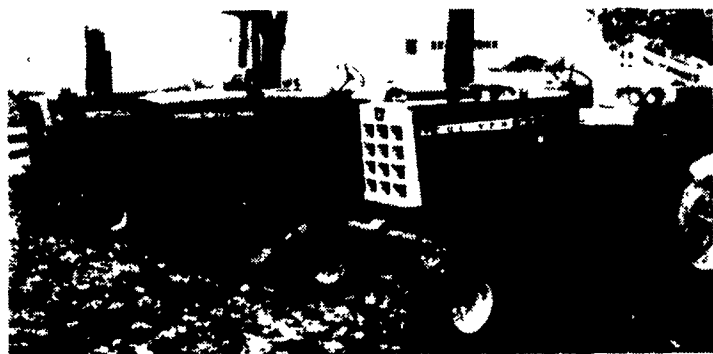
LG Corn Drags
Cardinal 56' 8" Auger
NH 36'
Case

CORNSHELLERS

JD 43 3 pt. & pull type
MM 1200
JD 6
NI For pull & mtd.

SKID STEER LOADERS

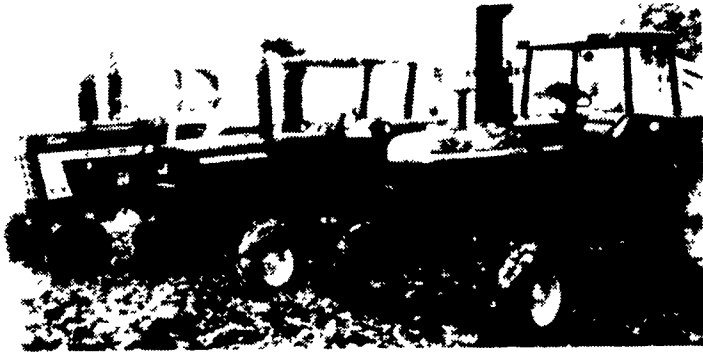
OMC 1700
Diesel \$6500
IH 4150
Diesel \$11,500
Melroe 720 . . . \$8500
Melroe 611 . . . \$6500



100 PLUS HORSEPOWER

- MF 1105-1973 • JD 4520-1969 • Oliver 1950T - 1968
All Decent Tractors, Properly Equipped

YOUR CHOICE **\$8700⁰⁰**



100 PLUS HORSEPOWER

- IH 1066 w/Cab - 1973 • JD 4320 w/ROPS - 1972
• JD 4230 w/ROPS - 1976

All Decent Tractors, Properly Equipped

YOUR CHOICE **\$11,700⁰⁰**

EXCELLENT SELECTION OF AFFORDABLE USED EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

NEW EQUIPMENT

TRACTORS

JD 4250 w/SG & PS
JD 2150
JD 2350
JD 2550
JD 2750
JD 2950
JD 4440 w/SG & QR

TILLAGE
EQUIPMENT

JD 235 19'11" Disc
JD RM4 Cultivator
JD 1250 3B Plow
JD 1010 Field
Cultivator
JD 1610 Chisel Plow
JD 415 Rotary Hoe
Glenco SSP 7B Soil
Saver

HAY TOOLS

NH 489 Haybine
NH 58 Thrower
JD 337, 347W Balers
JD 3940 Harvester
NH 38 Crop Chopper
NH 311 & 316 Balers
NH 451 Mower
NH 256 & 258 Rakes
NH 782 Harvester
NH 1037 Bale Wagon

COMBINES
& HEADS

JD 215 Flex Platform
JD 643 Corn Head
JD 6620 Combine
JD 213 Flex Platform
JD 444 C. Head
JD 4420 Combine

OTHER
EQUIPMENT

JD 158, 175, 245, 260
Loaders
JD 1065, 1075 Wagons
JD 78 Blade
JD 450 Spreader
NH 213, 519, 679, 795
Spreaders
NH 230 Wagon
Century 500 Gal.
Sprayer
DeLaval Manure
Pump
NH 8 Crop Carrier

PLANTING
EQUIP.

JD 7000 Cons. Pitr.
4R & 6RN
JD 8200 18x7, 21x7
Plain Drills

USED EQUIPMENT

JD 4020 Tractor
IH 966 Tractor
JD 2040 Tractor
NH 791 Manure
Spreader
NH 320 Wire Baler
w/hydraformatic
& quarter turn
chute
AC K2 Combine
JD 643 Corn Head
JD 244 Corn Head
JD 7000 6R Planter
w/Dry Fert.
NH 770 Fg. Harv.
Fox 3000 Fg. Harv.
Schwartz #860 Mixer
Feeder

WAIVER OF INTEREST
ON MANY ITEMS

I. G. SALES

DeLAVAL Silverdale, PA 18962 Quonset
JAMESWAY 215-257-5135 Buildings

Sweigard Brothers

RD #3
Halifax, PA 17032
717-896-3414



FORD TRACTORS

New TW 20 w/cab, 4wd,
air
New Ford 4610
New 6600
New Ford 7710 w/Sycro.
Trans.
Used Ford 1405B 16"
Auto Reset Plow. Ex.
Cond.



NEW HOLLAND

New TR70 Combine
w/cab, air, heater,
w/cat. engine and
lots of extras
13' flotation header and
cutter bar, w/hume
reel

962 N4 corn head
New NH harvesters -
707, 718, 782
New L35 gas, L325,
L555 diesel, skid
loaders

New 353, 358 Grinder-
Mixers

New 367 Tank Type
Manure Spreader

Used 975 Combine w/11'
head

Used 718 Harvester w/2
heads



NEW IDEA

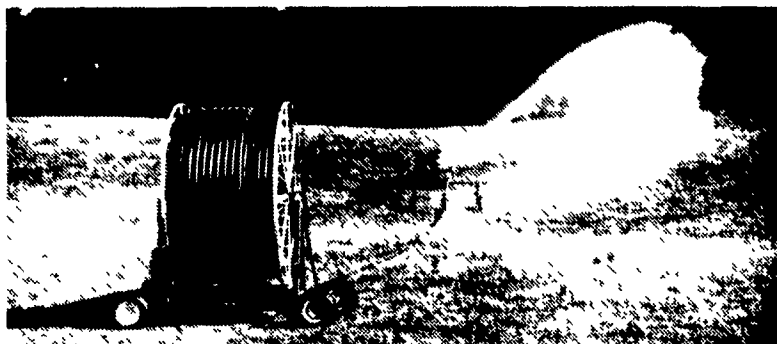
NI 406 rake
NI 323 one row corn
pickers
NI 213 Manure Spreader
NI 3 pt. Hitch Fertz.
Spreaders

New Glencoe 12'9" Finishing Harrow
Used JD 340 Disc Harrow
Used IH 550 Harvester w/Windrow PU &
2R Corn Head

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

AG-RAIN.
WATER-REEL

The reel irrigator with so many advantages all rolled under one name.

- **Radial Inflow Turbine Drive** - originated and patented by Ag Rain. It's the most efficient turbine drive on the market. It saves energy. Unit is totally gear driven. Reel has roller cog drive. No inefficient V belts.
- **Speed Compensator** maintains uniform travel speed. Assures uniform watering.
- **Tachometer Speed Setting** convenient direct read out of ground speed. Set and forget.
- **No Wasted Water** all the water goes through the gun sprinkler. None is dumped on the ground.
- **Reel Swivels** easily on ball bearings. Irrigates up to a half mile from one position.
- **Dwell Timer** delays start of travel. Results in uniform end of field watering.
- **Four Models** to choose from: 4 1/2 inch x 900 feet, 4 1/4 inch x 1150 feet, 3 3/4 inch x 1250 feet, or 3 inch x 880 feet.

EECO, Inc.

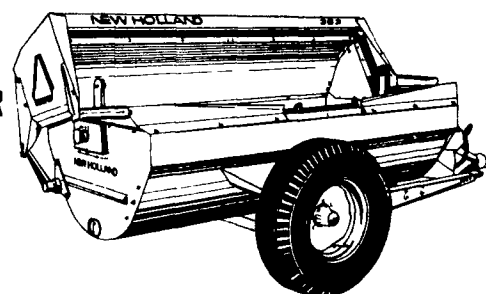
4021 N. 6th St. Harrisburg, PA 17110
717-238-9423

NEW EQUIPMENT IN STOCK

NEW HOLLAND
MODEL 363
TANK SPREADER

Was \$4,595

Now \$4,295



WHITE 2-55 Tractor
WHITE 2-65, 284 Wheel Drive
WHITE 2-75 Tractor
WHITE 2-85 Tractor
WHITE 2-88 Tractor
WHITE 2-105 Tractor
WHITE 2-110 Tractor
WHITE 2-135 Tractor
WHITE 543, 4 & 6R Planter, No Till
WHITE 5100, 4 & 6R Planter, No Till
WHITE 254 10' 4" Disc
WHITE 348 SAR Plow
WHITE 508 SAR Plow
WHITE 466 Chisel Plow
WHITE 285 Field Cultivator

Waiver of Finance To July 1,
1984 on Hay Tools And Sept. 1,
1984 on Forage Tools...

OR

4.9%, 7.9%, 10.9% For
12, 24 or 36 Months Respectively
NH L425 Loader
NH 707, 718, 782, 892 Harvesters
NH 310, 311 & 315 Balers
NH 847 Round Baler
NH 80 Bale Mover
NH 488, 489 & 1495 Haybines
NH 256 & 258 Rakes
NH 38 Crop Chopper
NH 28 & 30 Blowers
NH No. 8 Forage Box
NH 513, 519, 679 Spreaders
NH 363 Tank Spreader
NH TR75 Combine

KUBOTA
We're looking for work.

bobcat
642 & 743

WOODS
Division of Hesston Corporation

TYE
No Till Drill

GLENCOE
7 Tooth
Soil Saver

USED EQUIPMENT

HAYTOOLS

NH 30' Elevator
NH 56 Rake
NH 268 Baler w/Thrower
NH 68 Baler w/Thrower
Oliver 620 Baler w/Thrower
Gehl 880 Mower Conditioner

SPREADERS

NI 212 Spreader
NI 214 3-Beater w/Hyd. Endgate
NH 512 w/Hyd. Endgate
NH 346 Tank Spreader, LH
NH 367 Tank Spreader, LH

TILLAGE - PLANTING

COMPACT TRACTORS

Kubota B6000 E w/Woods RM 59
Mower
Farmall Cub Lo-Boy
Farmall Cub w/Snowplow, Plow,
Cultivator
And Sickle Bar Mower

White 5400 Planter
JD 1240 4-Row w/Monitor
IHC 550 5-16 Plow
Oliver 348 3-16 CT Plow

TRACTORS

Oliver 1755 w/Cab

NORMAN D. CLARK & SON

Honey Grove, PA 17035 - Phone 717-734-3682
Located 14 Miles South of Port Royal on Rt. 75



HICKORY INTERNATIONAL, INC.

US Route 1 Bel Air, Maryland 21014
301-838-4200

YEAR END SPECIALS:

New Tractors

Model #234 Hydro \$6474
#244 Turf Tires \$5890
#284 28 PTO HP \$7400
#284 4 Wheel dr. \$9300
* #584 4 Wheel Dr. w/2250
Loader \$22750
* #884 72 HP TA/A \$22000
* #3688 Delux Cab
Radials \$33800
Plus * all expense paid trip to
ENGLAND with purchase of
new IH 42 HP or larger
current series tractor PLUS
waiver of finance until 3-1-84.
Call for details.

USED EQUIPMENT

JD 24T Baler
MF 160 Spreader
Farmall 100 with Cultivators
Cub with 60" Mower
Cub Lowboy with 60" Mower
IH 700 4-16 plow
Ford 3 Pt. 4 row Cultivators

USED TRUCKS

1978 IH 1750 DT 466
Diesel C & C \$7500
1978 IH 1750 CAT Diesel
C&C 5/2 \$9800

NEW EQUIPMENT SPECIALS

Description	List Price	Sale Price	Waiver Date
IH 420 3 F plows	\$2324	\$1975	3-1-84
IH 720 5 F-20" Auto Plow	\$9273	\$6800	3-1-84
IH 5513 13' Chisel Plow	\$3368	\$2800	3-1-84
IH 781 Forage Harvester with 2 row head	\$13365	\$10475	9-1-84
IH 1190 Mower conditioner	\$9506	\$7500	6-1-84
IH 600 Blower	\$3725	\$3200	6-1-84
IH 35 Hydraulic Rake	\$3300	\$2700	6-1-84
JCB 3C-1400 14' backhoe Loader - Demo Unit, 128 hours. New Warranty		\$23900	
FMC Model PG 210 10' Mower		\$4100	

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

VERMEER

HILL
MARTIN
INC.

Vicon

NEW EQUIPMENT

- Vermeer 605H Baler
- Vermeer 504G Baler, Demo
- Vermeer & Scranton Bale Movers
- (1) Vicon 600 lb. spreader
- (3) Vicon 950 lb. spreaders
- (1) Vicon 1900 lb. Fert. Spreader
- (1) Vicon 15' Power Harrow
- (1) Vicon RP 1200 Round Baler
- (1) New Vicon RP 1210 round baler
- (1) Vicon SP450 Square Baler w/Thrower
- (1) Vicon 8' Mower Conditioner
- Haybuster 1068 Semi-Mounted No-Till Drill
- Martin 1263 Scavenger II Spreader

USED EQUIPMENT

- Vicon 10' Power Harrow
- Farm System Flail Spreader, Left Side Loading
- Hesston 12' Hydro Swing Haybine
- Pequea Hay Tedder

Special

VERMEER MODEL 504 SUPER G BALER

Set Up For
Corn Fodder List \$9825 **\$8800**

RED WING FARMS

R.D. #1, FLEETWOOD, PA 19522
NEW PHONE NUMBER: 215-944-0402

Badger

JOHN DEERE

HESSTON
FARM EQUIPMENT

USED EQUIPMENT

TRACTORS

JD 820 3 cyl Diesel
MF 275 Diesel w/Loader,
like new
MF 265 Diesel
Oliver 66
Ford 600 w/3 pt. Hitch

TILLAGE EQUIPMENT

AC 3 BTM 16" 3 pt Plow
JD F-145 5 Btm Plow
IH 3 Btm 2 pt Plow
JD 2 Btm 3 pt Plow
JD 10' Cultipacker
10' Poperville Packer
JD AW 12' Disk
McCurdy Harrigator
JD 7' 3 pt Disk

MISC. EQUIPMENT

JD 300 Corn Picker
Case 330 Baler
w/Thrower
Gehl 9' Mower Con
IH 55T Baler w/Thrower
IH 707 3 pt. Harvester
Thrower for MF Baler
Sauder Loader (Like New)
Ontario Grain Drill

NEW EQUIPMENT

7-Shank Soilmaster
\$5,150.00
JD 1710 Mulch Tiller
\$4,995.00
Grain-O-Vator \$4,500.00
Moore 10' NoTill Drill
\$10,500.00
GT 370 Dryer \$7,500.00
Badger Blower \$1,995.00

SUPER SPECIAL

Badger Ear Corn Mill
Demo
\$8,900.00

PIKEVILLE EQUIPMENT, INC.

R.D. 2, Oley, PA
Phone: 215-987-6277
Berks County's Full Line John Deere Dealer-
Serving The Oley Valley 47 years 1936-1983

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Wisconsin and PERKINS
power units
BRIGGS & STRATTON
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10% Off on parts
for overhaul jobs
scheduled before Feb. 1

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Machinery, Inc.
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Sturdivant
Simpactor;
Bearcat hammer-
mill 10x24, 60 HP,
brand new,
complete
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Adams County

WISCONSIN Heavy-Duty ENGINES

6 to 65 H.P.

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FACTORY SURPLUS

MODEL TJD
18.2 H.P.

Baler Replacement
Crank Start
w/Fuel Tank
\$725⁰⁰

(Dealer Prices On Request)

• Authorized Service Center • Complete Rebuilding • Large Parts Inventory
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FISHER ENGINE SERVICE

Buy at Dealer Invoice

Model	Invoice Price
323 1 Row Picker	\$6,370
325 & 327 Picker	\$11,728
324 & 327 Picker	\$11,931
802 Power Unit. (plus rear weights)	\$43,756
768 Harvester Head	\$4,924
767 Harvester	\$9,553
868 Harvester	\$11,752
818 Combine	\$10,655
406 Rake	\$2,305
272 Cutditioner	\$3,817
279 Cutditioner	\$4,229
621 Blower	\$1,722

We're Dealing Straight From the Invoice

Now, for a limited time, we'll sell selected New Idea equipment on our lot at the factory invoice price.

We are sacrificing profits now to lower our inventory investment cost during the winter months.

THINK ABOUT

- Our low prices
- Your trade in allowance
- Investment tax credit
- Re-Investing your PIK income

See us now. Check the Invoice and save on top quality New Idea equipment at our lowest possible price.



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INVOICE
PRICING**

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NEW IDEA**

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SERVICE**

Bethel, Pa. 717-933-4114

Jake, how come whenever I see you lately,
you're sitting on your rocker?

Luke, I've made up my mind to
sit tight until the December 10th issue
of Lancaster Farming comes. I can't wait
to catch all them bargains on
BINKLEY & HURST BROS.
Special Flyer for their
CASH & CARRY DAYS SALE,
starting Dec. 12th thru Dec. 29th!

Yes, and they say it's
the **BIGGEST
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TO
BUY

**In Addition to Year-End Tax Savings You Can Take
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Products Which Produce More Profit For You.**



- Waiver of Finance or Cash Rebates
3-1-84 - Tractors, Tillage, Spreaders
9-1-84 - Combines
5-1-84 - Planters
- Extra Cash Rebates on Combines
- Trip to England or \$1,100.00 Cash on Purchase of New IH Tractor

STEIGER - Extra Large Cash Discounts
- Waiver of Finance 'til 3-1-84

VERSATILE - Extra Large Company Discounts

KRAUSE - Extra Discounts On Cash Sales

USED EQUIPMENT

- WAIVER OF FINANCE OR CASH REBATES ON CERTAIN TRACTORS
- WAIVER OF FINANCE OR CASH REBATES ON COMBINES TILL JANUARY 1, 1985
- SPECIAL YEAR-END CLEARANCE SALE ON ALL USED EQUIPMENT MEANS SPECIAL PRICES FOR YOU!

ALL PRODUCTS BACKED BY HOOBER PARTS AND SERVICE PEOPLE WHO CARE

A MIXER-WAGON THAT CAN BE BOUGHT AT AN AFFORDABLE PRICE!

The Farm Aid MIXER-FEEDER WAGON

- Farm Tested -

10 Years Of Proven Dependability

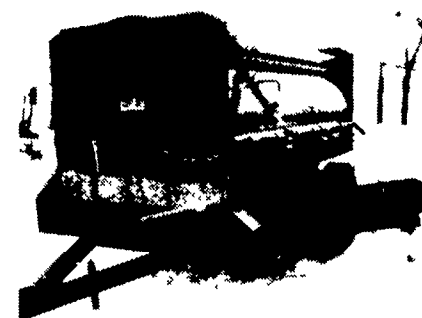
CHECK THESE FEATURES...

- ☐ Simple Paddle Construction produces a nice, fluffy feed mix every load.
- ☐ Low Power Requirements permit use behind a two or three plow tractor.
- ☐ Simple Design uses stock parts - easily serviced in any machine shop.

*Call Today For
A Demonstration!*

SPECIAL

- 130 Bu. w/4 Point Scales
\$7900
- 260 Bu. w/4 Point Scales
\$10,500

**TRACTORS**

TAG# DESCRIPTION

W8629 IH 3588 2+2
W8379 IH 4166 4WD
W7372 IH 1466D w/Cab
W8307 IH F1456D No Cab, Duals
W7379 IH 1456D w/Cab
W8053 IH F1456D, No Cab
W7951 IH F1086D Frt Wts, Radio
W8648 IH F1026D Hydro, No Cab, New Paint
W8633 IH F1026D Hydro, No Cab
W8229 IH F966D No Cab
W8070 IH F966D w/Cab
W8647 IH F856D w/ROPS
W8346 IH F706D
W8579 IH F656G
W8165 IH 584 Low hrs.

W8045 IH 454G, New Paint
W7844 IH F450D
W8569 Farmall Super C w/Cult.
W7870 Farmall H w/Pulley
W8536 Farmall M w/Pulley
W7821 IH 4120 Skid Loader
W7183 Steiger ST251 w/20.8 x 34 Duals
W8546 AC WD
W8627 Deutz D5506-S, on Steel
W8626 Case 2670 4 WD w/20.8 x 34 Duals
W8534 Long 445
W8780 IH 450
W8764 IH F886 w/cab

USED EQUIPMENT

W8683 IH B414G w/Loader
W8684 IH 84 Hydro
W8243 Deutz DX140
W8759 IH F706D
W8729 IH F1086D w/ROPS
W8305 IH 450G
W8756 IH 574D

TILLAGE

TAG# DESCRIPTION
T8745 IH 490 21' Disk
T7049 Krause 2413 Disk w/3 Bar Tine Harrow
T8412 Krause 1112 Disk
T8616 JD 215 12' Rock-Flex Disk

T8439 JD TO-220 17' Disk
T8034 JD 110 10' Disk
T8166 JD BW 10' Disk
T7413 Oliver 252 10 1/2' Disk
T6033 AC 3300 24' Disk
T7945 IH 710 4F-16" AR Plow
T8363 IH 550 5F-16" Plow
T8366 IH 510 5F-16" Plow, Shifting hitch
T6493 Glencoe 11 Shk Soil Saver
T8652 White 271, 18' Disk w/Inc. Boom
T8693 Glencoe 13 Shk Soil Saver
T8760 IH 531 3F-14" Plow
T8730 Case 3F, 16" Plow

MISCELLANEOUS

TAG# DESCRIPTION
V8371 Allied 265 Grinder-Mixer
U7321 Brady 1680 Flail Chopper
U8724 IH 1 PR Cornpicker
W8694 NI 504 Loader
U8719 Kools KB1000 Blower
V8747 JD 8300, 23x7 Drill
U8748 NI 737 Husking Unit
V8691 Badger 205 Spreader
V8751 Reynolds 8CR Scrapper
V8769 FMC 1229 Air Blast Sprayer
U8772 Woods C-80 Mower
V8607 Oliver Superior Drill, 16x7

ALL NEW & USED PRODUCTS BACKED BY HOOBER PARTS & SERVICE



Radio Controlled Trucks For Better Service

C.B. HOOBER & SON, INC.



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Why Do Farmers Prefer



Krause
"Rockflex"
Discs?

THAT'S SIMPLE!

They Work and
Work and Work and
Work and Work and Work...

KRAUSE "ROCKFLEX" DISCS ARE
AVAILABLE FROM 12' to 45' WIDE,
FROM 110 to 230 lbs. per blade -
IN THE RIGHT SIZE FOR YOU.

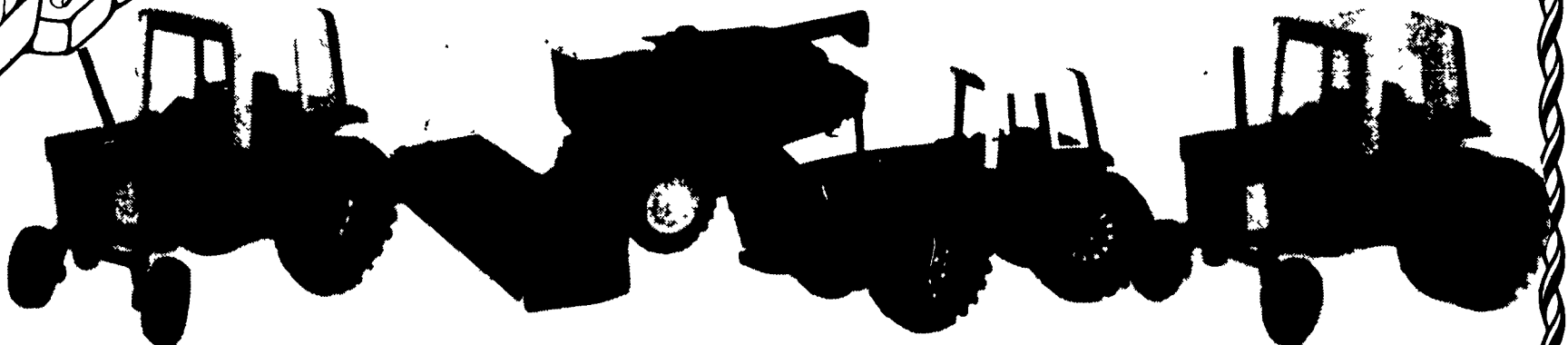
Krause "Rockflex" discs are built tough to work hard and last long in the rocks, so you don't have to work hard and long fixing up what the rocks busted up. Do yourself a favor for Christmas — INVEST IN KRAUSE.

Bring Out The Joy . . .

Give A Farm Toy !

20% OFF ALL TOYS IN STOCK

(Riding Tractor Not Included)



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FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

TRIPLE H EQUIPMENT**VERMEER****Vicon**Peach Bottom, Pa.
717-548-3775 or 717-548-2094**ROUND BALERS**Early Order Specials on All
Vermeer Balers.
Demo Discounts on Vicon
Round Balers in Stock.

- 1 Used 504C Vermeer
- 1 Hesston #10 Stackhand w/Movers

SQUARE BALERS

- New Vicon SP450 w/Thrower
- 1 Demo SP 450 without Thrower

MOWER CONDITIONERS

- 1 Demo KM240 Vicon
- 1 Demo KM321 10 6
- 2 Used KM240 s
- 1 NI 7 Cut/ditioner
- 1 NH 477 Used

RAKES

- 4 New 4 Wheel Rakes
- 1 New R23 Vermeer
- 8 New 8 Wheel Rakes

PLANTING

- 1 Haybuster 1068 Drill
- 8 Vicon Spreaders

**SPECIAL FALL DISCOUNTS
ON ALL VICON EQUIPMENT****PUMPS**

IRRIGATION - WASTE - MANURE - FIRE - INDUSTRIAL

NEW & USED**Parts & Service**Gorman-Rupp, Hale, Berkeley, Marlow,
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CHAMPION, SHUR-RANE, McDOWELL,
RAINBOW, A-M AND OTHERS**SPRINKLERS: Rainbird, Nelson, Skinner**
MURPHY SAFETY PUMP CONTROLS*"We Deal in Solutions"***EECO, INC.**4021 N. 6th St., Harrisburg, PA 17110
717-238-9423**GOOD USED EQUIPMENT**MF 4880 tractor, dual wheels, 1375
hours
MF 2775, dual wheels, 678 hours
MF 2705, like new, 442 hours
MF 128 Hay Baler, very good cond.
IH 830 Forage Harvester
Vicon K240 Mower Conditioner
Lely 8000T Bunk Broadcaster, like new**OTHER USED EQUIPMENT
AVAILABLE****RODIO TRACTOR SALES, INC.**
609-561-0141Complete
TRACTOR
& ENGINE
REBUILDING
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A C and Wisc 2 and
4 cyl power units with
or without clutch
reduction**SPRING GARDEN
REPAIR SHOP**
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Joe S. Stoltzfus**INTERNATIONAL[®]
AGRICULTURAL
EQUIPMENT****WINTER SERVICE SALE
10% DISCOUNT**On All Repairs, Parts & Labor
Done Through Our Shop
Or Scheduled Through
December 31, 1983
Cash Sales Only**THIS MONTH'S SPECIAL ON NEW EQUIPMENT****New Tractor Sale**5088 w/cab
3688 w/cab
3288 w/rops
3088 w/out rops
784 w/TA
684 w/TA
484, 42 HP**New Tillage Equipment**IH 720 5F 18" auto-plow
IH 510 4F 18" plow
IH 475 12' disk harrow
IH 480 13' disk harrow w/cyl
IH 496 19' disk harrow, wing flex
IH 4500 VS field cult., 12'6"
IH 5511 Chisel Plow
IH 6511 conser -till**New Hay & Forage Equip.**IH 428 baler w/thrower
IH 1190 mower cond
IH 781 harv w/2R head
IH 881 harv w/2R head
IH 130 16' forage box w/tan 12T gear**Material Handling**IH 2250 loader w/72" bkt
IH 1250 grinder mixer
IH 30 3 pt blade, 8'
IH 40 3 pt. blade, 8'**USED TRACTORS**

IH 3088, 80 hrs. (like new) .. \$20,850	IH C..... \$1250
IH 1086 D w/cab \$22,500	IH 484 D w/300 hrs. \$10,500
IH 966 D hydro w/cab \$12,500	IH Super C, real nice \$2150
IH 706 G, w/wide front \$4850	

Waiver of finance until 3-1-84

USED HAY AND FORAGE EQUIPMENT

IH 37 Baler w/thrower \$1800	Lamco 16' forage box w/roof .. \$1850
IH 430 baler w/thrower \$2850	IH 56 forage blower \$750
NH 27 forage blower \$975	IH 45 conv. blower \$100
JD 34 forage harvester w/2 row head \$1500	Gehl Forage box \$1250

Waiver of finance until 6-1-84

USED TILLAGE

IH 720 4F 16" auto. plow w/cyl. (real nice) \$3850	IH 560 6F 16" plow w/cyl. \$1500
IH 710 5F 18" auto. plow w/cyl. \$3950	IH 550 5F 16" plow \$1250
IH 401 16' Harrow \$600	IH 710 5F 16" plow w/cyl. \$2250
	IH 541 4F 16" 3 pt. plow \$500

Waiver of finance until 3-1-84

SPREADERS AND MISC.

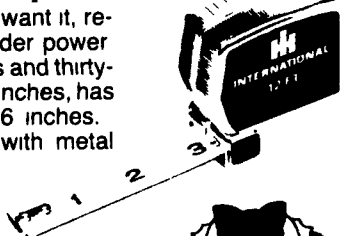
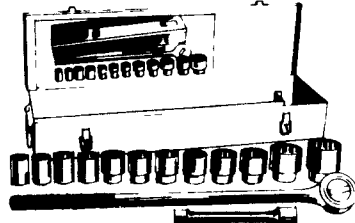
NI Model 211 Spreader (Nice) . \$1350	NI 214 spreader w/hyd. endgate \$1850
JD R gr. dr. spreader \$500	Portable loading ramp \$200

Waiver of finance until 3-1-84

USED PLANTERS AND DRILLS

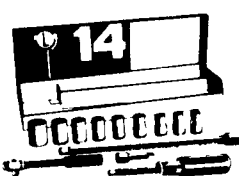
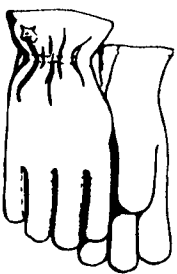
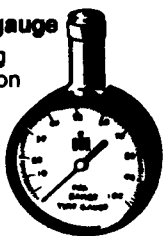
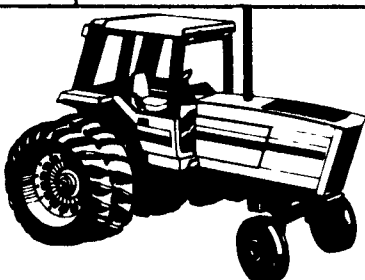
IH 56 4 row \$1250	IH 400 6 R 30" Planter, w/insect \$3500
IH 400 4 row 38" \$1500	
JD Van Brunt drill. \$500	

Waiver of finance until 5-1-84

**Christmas PARTS VALUE
OF THE MONTH**
Bell Ringer Sale!
Save on gifts that keep giving!**12-foot power lock tape**Blade locks where you want it, re-
winds automatically under power
Graduated in sixteenths and thirty-
seconds on the first six inches, has
stud markings every 16 inches.
Chrome plated case, with metal
belt clip 999 129 R1**\$5.95****Save
51%****7-piece
screwdriver
set**Includes 4" round blade, 6" round
blade, 8" round blade, No 1 Phillips,
No 2 Phillips, stubby screwdriver,
pocket screwdriver,
plastic tray 999 355 R1
Regular \$24 46
(Total individual
piece price)**\$10.99****15-piece 3/4" drive socket set**Top quality.
Special price**\$119.95**

Save \$84.50

(Based on individual piece list prices)

**14-piece 1/2"
drive socket set**Perfect set for
basic tractor work.
Field grade.Price cut to
\$25.49**Lined
leather
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Special price**\$16.34****AM/FM
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\$5.95**Toys! Fun for the kids!**Rugged, scale-model
action toys styled just
like the big tractors and
implements.5288 International tractor
Gift priced at only**\$20.69****IH****PART SMART****ERB & HENRY EQUIP., INC.**

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Comfort stalls, Free Stalls
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etc.
Owner Retiring
Make Offer
1-301-833-5228

FARM EQUIPMENT

Wooden Double
Chain Feed
Conveyors
Tapered Board
Feeders
Beechdale
Conveyors
SAMUEL K. STOLTZFUS
550 Beechdale Road
Bird in-Hand, Pa 17505

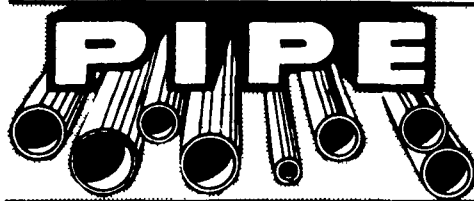
FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

H. SCHWARTZ & SONS, INC.

NOW SERVING THE STATE
OF DELAWARE DIRECTLY
FROM WILMINGTON!



NEW USED and RECONDITIONED PIPE
STANDARD - EXTRA & DOUBLE EXTRA HEAVY ALL
SCHEDULES - ALL TYPES FABRICATION THREADING
CUTTING - WELDING
121 SO. MARKET ST. - WILMINGTON 19801
302-656-0276 or 215-DE1-4240

SHULER EQUIPMENT SALES

RD #1 Box 228
Shuler Road
Shermansdale, Pa. 17090
717-582-4365 anytime
ACRES OF USED AND
RECONDITIONED FARM
EQUIPMENT AND
TRACTORS

Also
ACRES OF USED
EQUIPMENT AND
TRACTOR PARTS.

WE WILL BUY OR TRADE
YOUR USED EQUIPMENT
IN ANY CONDITION



MESSICK'S YOUR BALER HEADQUARTERS

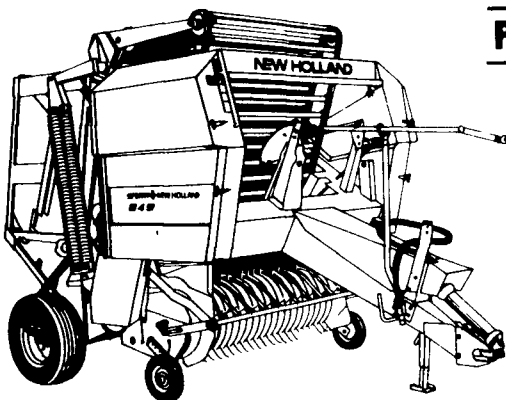


CORN FODDER SPECIALS

Picture Perfect Bales

FEATURES:

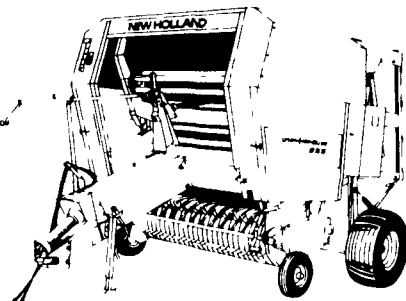
- Roll Floor Design
- Super Sweep Pickup
- 2 Year or 5,000 Bale Chain Warranty
- Automatic Wrap
- Bale Size Indicator
- Bale Counter
- Bale Ejector Package
- Automatic Chain Oiler
- Heavy-Duty Driveline



NH 849 Round Baler

WAIVER OF FINANCE
Till July 1, 1984
OR
CASH REBATES

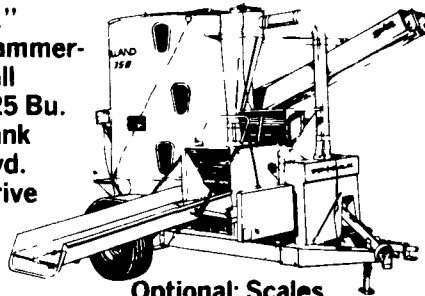
All This PLUS WINTER
BUYER'S DIVIDEND OF \$300



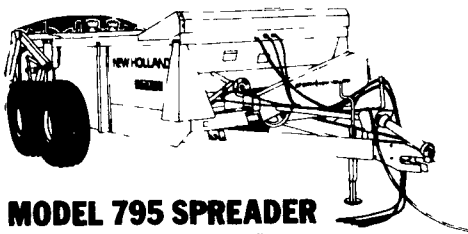
NH 855 Round Baler

NH 358 GRINDER MIXER

- 21" Hammer-mill
- 125 Bu. Tank
- Hyd. Drive



Optional: Scales



MODEL 795 SPREADER
410 Bu., Double T-Bar Chain

**WAIVER OF FINANCE ON SPREADERS &
GRINDER MIXERS TILL APRIL 1, 1984
OR CASH REBATES OR LOW FINANCING - 4.9%**



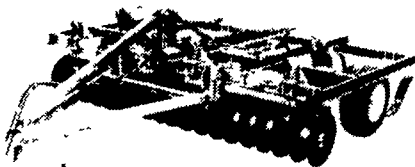
NH L555
The Ideal Skid Loader
For All Size Spreaders

**42 HP
WATER-COOLED
DIESEL**

Super Boom -
The Loader with
the Extra Reach

THE NEW GLENCOE® SOIL SAVER

With More Trash Clearance



We Specialize In Glencoe® Soil Savers
**CHECK WITH US FOR SPECIAL
PRICES**

A GOOD SELECTION OF USED EQUIPMENT

HAY & FORAGE EQUIPMENT

NH 268 Baler & Thrower
JD 24T Baler & Thrower
Used N H 1495 S P Haybine w/12 Ft
Rolareel Header, Ex Condition
NH 469 Haybine
NH 495 Haybine, 12' Rolareel End
w/Transport, Ex Condition
NH 276 Baler w/70 Thrower
NH 27 Whirlfeed Blower
JD 3800 Harvester, 2 Row Cornhead &
Pickup Att.
Gehl Model CB600 w/2 Row Cornhead
& Pickup Attach
IH Model 56 Blower, H D PTO
IH Model 60 Shredder, 6 Narrow Rows,
4 Transport Wheels, Cylinder &
Hose (Excellent)
IH Model 56 Blower, New Band

NH Model 890 Forage Harvester
w/Electric Controls, New Knives, 2
or 3 Row Cornhead & Pickup At-
tachment
NH Model 1469, 9 Ft Self-Propelled
Haybine w/Ford Engine
NH 479 Haybine, Excellent
Int 555 Harvester w/2 Row Corn Head
NH 234 Wagon w/Flotation Tires, Ad-
justable Tongue
NI 4 Row Shredder
NH 278 Baler w/58 Thrower
NH 38 Flail Chopper, Excellent
Badger Silage Box, Tandem Axle

SKID STEER LOADERS

NH L425 Skid Loader
NH L775 Diesel Skid Loader
Owstonna Skid Loader, 38 HP, Water
Cooled

SPREADERS

IH 3 Beater 160 Spreader
NH 365 Tank Spreader
New Idea 243 w/Gate
NH 790 w/Hyd Endgate
NH 791 w/Hyd Endgate, Top Beater,
Splash Guard, Fine Pan
NH 327 Spreader, 3 Beater

TRACTORS

IH 1086 w/cab (excellent)
IH 656D, Hydrostatic Drive
AC 7050 Cab, Air, Good Condition
IH 706 D w/Cab, Real Sharp
Farmall H



MESSICK'S Farm Equipment Is Our Business



INTERNATIONAL 584 TRACTOR/

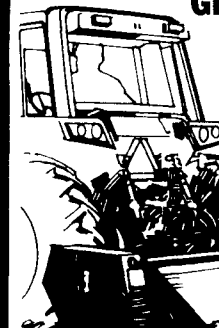


**2250
QUICK-
ATTACH
LOADER**

GOOD USED TRACTORS

- IH 1086D w/Cab & Air
 - IH 1066D w/Cab, New Rubber
- Waiver of Finance till March 1, 1984

GET RID OF CROP RESIDUE IN A HURRY!



INTERNATIONAL 60 SHREDDERS

- Adj. Wheels-Up or Down, In or Out
- Shatter-Shear Type Knives
- 4 Wheel Attachment

**INTERNATIONAL
AGRICULTURAL
EQUIPMENT**

JUST TRADED

International 60 6 Row Shredder.
Only Used 150 Acres. Excellent Buy



INTERNATIONAL 595 SPREADER Built to Perform

- Bear Claw beaters for outstanding shredding and spreading action.
- Beveled worm gear to extend drive component life.

- Rust-resistant steel sides (guaranteed to the original owner for the life of the spreader).

- Penta-treated 3/4" plywood floors.

A GOOD SELECTION OF USED EQUIPMENT

PLANTERS

IH 800 4 row corn planters, dry ter-
tilizer, monitor, insecticide, ex-
cellent condition Don't Miss
This Good Buy - Waiver Till
Next March 1984
IH 400, 6 Row, Monitor, Fert At-
tach, Insecticides, Fully Equip-
ped
IH 56, 4 Row, Fert
Int 56, 2 Row
Ontario 16 Disc Grain Drill (Nice)

TILLAGE

Int 440 4 Bottom Plow
Glencoe 13 shank Chisel
JD 350 6 bottom auto reset Plow
Brillion 10 Ft. Packer
IH 53, 4 Row Cultivator w/3 Ft
Hitch
IH 311 plow
IH 37 Disk Harrow
Athens 9 Shank High Clearance
Chisel Plow
Glencoe 7 Shank Soil Saver

Brillion 9 Shank High Clearance
Chisel

MISCELLANEOUS

JD 3 Section Rotary Hoe
New Idea 1 Row Full Type Corn
Picker
NH 354 Grinder Mixer
NH 352 Grinder Mixer
NH Model 155 Elevator, 24 Ft
Lifton 72" Rotary Shredder
IH 2355 Loader, Demo

MESSICK FARM EQUIPMENT, INC.

RHEEMS EXIT - RT. 283, ELIZABETHTOWN, PA
PHONE 717-367-1319, 653-8867

WARREN SPICKLER - HOME 653-4560

★ WE SHIP UPS

VISA



MESSICK FARM EQUIPMENT, INC.

RHEEMS EXIT RT 283, ELIZABETHTOWN PA
PHONE: 717-367-1319, 653-8867

WARREN SPICKLER - HOME 653-4560

★ WE SHIP UPS

VISA



FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

TRACTORS

Case 930 Dsl, WFE
MF 175D 8 speed
MF 135G
MF 235G
JD 1520 Diesel
JD 2010G
AC D17, PS
AC D15 Series II
AC WD45
Farmall Cub w/mower
Farmall 504 3 pt.
Ford 9700 Dual Power
Ford 8000 Tractor
Ford 7000 Fully Equip.
Ford 5000 D
Ford 4000, live PTO
Ford 3000 8 Speed
Ford 2000, PS
David Brown 1200
David Brown 780
Satoh Elk w/mower
NI 323 cornpicker
JD 18' wing disc
MF 33 Grain Drill
NI 206 Spreader
NI 216 Spreader
JD #25 Combine
MF 6' Rotary Cutter
NI 402 rake
NH Flail Chopper
TRACTORS & LOADERS
Ford 4000 w/3 pt.
(2) 3400 3 pt.
Satoh 650 PS
Ford 9N
Ford CLA skid loader
Ford 801 backhoe

KELLER'S FARM MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046



USED TRACTORS & EQUIPT. IN STOCK

Used Deutz D 8006, 85 HP, cab & duals, clean, 1240 hrs, \$9900
Used D5506, 57 h p
Used JD 4020 Diesel, wide front end
Deutz Fahr Baler, high capacity machine 14' x 18" Chamber, 65' pickup
Used Hay Tedder, Vicon, 10'

MF 128 T baler/thrower, wide pick up, shur tie knottor

John Deere 480 mower conditioner

NEW TRACTORS & EQUIPT. IN STOCK

D5207 Deutz tractor, 52 h p
D6207 Deutz tractor, 62 h p
D6807 Deutz Tractor, 68 h p
D7807 Deutz tractor, 74 h p

DX 120 Deutz tractor, 111 h p, w/4 post safety frame

Leon 636 heavy duty front end loader, fits Deutz tractors

Deutz Fahr KH300 98 Hay Tedder

Deutz-Fahr KS85 Hay Rake

Custom-built diesel Gen Sets made to order

New & Used Deutz diesel engines at special prices Call for details

New Deutz F2L 912 diesel engines 20-32 H P electric start

STAUFFER DIESEL, INC.

312 West Main Street
New Holland, PA
PHONE 717-354-4181

Stauffer Diesel Inc.

312 West Main Street
New Holland, PA
PHONE 717-354-4181

DEUTZ



REPAIRING & REBUILDING OF ALL KINDS OF DIESEL AND GASOLINE ENGINES



2 Cyl. F2L-912

SU-1052

USED DIESELS

(1) SR-3 Lister
(3) SR-2 Listers
VM 1306, 180 H.P.

• Used Wisconsin, as is - Call for Details

CHECK OUR PRICES AND LABOR RATES

FOR SERVICE CALL:

(717) 687-6874 (7 A.M. - 5 P.M.)

(717) 354-4374 (After Hours)

Oil in Bulk - Bring Your Own Container

James E. Horst

INDUSTRIAL ENGINE SALES AND SERVICE

152 Black Horse Rd., Paradise, PA 17562



GRUMELLI FARM SERVICE

Quarryville, Pa.
717-786-7318



TRACTORS

AC 7040D	AC 200	AC CA	IH 300	JD 4010	Case 300
AC 7045D	AC XT190D	AC WD 45	IH 340	JD 70	w/Loader
AC 7050D	AC 180D	AC 5040D	IH Cub Low Boy	JD A	Case 800
AC 7020D	AC 170D	AC 5050D	IH 350	Ford 4000	Case 450
AC 7010D	AC 175D	JD 2010	IH H	MF 65D	Crawler/Loader
AC 7000D	AC D19D	IH 806	IH 140	MF 65G	Oliver 1650D
AC 440	AC D14				

NEW AC L2 COMBINE w/15' Floating Cutter
Bar Head Reduced Price!!

EQUIPMENT

New and Used Miller Discs and AC Discs

(2) 315 NH baler and thrower

269 NH baler and thrower

14T J.D. baler and engine

AC 444 baler and engine

Farmhand grinder & blower

(2) L 425 NH Skid Loaders

731 Bobcat Skid Loader

610 Bobcat Skid Loader

630 Bobcat Skid Loader

1000 OMC Skid Loader

371 Bobcat Skid Loader

70 JD Skid Loader

Thomas Skid Loader

MC 600 Grain Dryer

65' 8" transport Auger

AC L, M, F, G&A Combines

NH 890 Chopper w/2 or 3 Row Head & Pickup Head

IH 830 Forage Harvester

Uni Harvester 708 & 702

NU-WAY IRRIGATION

LONG Offers Two Preseason IRRIGATION Programs:



PROGRAM NO. 1

Retail Financing—10% Down with Order
Remainder Interest **FREE** Until Apr. 1, '84. Most prices rolled back to '81 level. 8-3/4% APR Finance Charge after Apr. '84. **PURCHASE NOW**—Machines avail. for immediate delivery.

PROGRAM NO. 2

CASH DISCOUNT FOR PURCHASE BY DEC. 31, '83.
Most machines sold on 1981 prices.

TAKE ADVANTAGE OF:

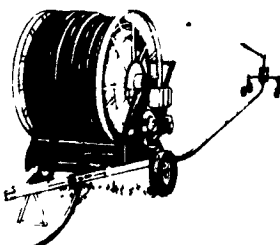
Reduced prices—Immediate delivery - 10%
Investment Tax Credit—Depreciation for '83
Include in planning for '84 Operating Loan
Become better Risk to Lenders!



CALL OR CONTACT:

FORRESTER FARMS

1337 Lincoln Way East
Route 30, Chambersburg, PA
Phone 717-263-0705



USED EQUIPMENT

MF 1155 Tractor
INT. 475 DISC
JD-BW DISC
JD 5020 tractor
MOTT MOWER - 48 In.
JD 54 Manure Spreader
JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 7000, 8 row, 30" corn planter w/Liquid Fertilizers and Monitor
JD 1250 corn planter
Oliver 5x16 Plow
JD 1250, 4 btm. plow
1-JD AW disk harrow, 14'

NEW EQUIPMENT

JD 415 Rotary Hoe
JD 347 W Baler
JD 7100 8-row 20" bean planter
JD 950 - 12 Ft. Roller Harrow
JD 7000 - 4 Row & 6 Row Conservation Planter
JD 45 Blade - 8 Ft.
JD 45 Blade - 7 Ft.
2 - JD 506 Gyramor
2 - JD 606 Gyramor
JD 660 Rake

OTHER LINES

NEW EQUIPMENT
Superior-Campbell
Sprayers
Superior-Scranton
Livestock Equipment, (Hay Feeders, Corrals, Gates)

Ceco Farm Buildings
COVERT & SONS, INC.

Neshanic Station, NJ
201-389-5241

Just 3 miles off Rt. 202
(Between Flemington & Somerville)



AVCO
NEW IDEA

FOR SALE

Same Falcon 4 wheel drive 49 PTO Horse Power. 325 hours. New Condition, \$8,500.

Deutz 6806, 68 HP New Paint \$6,400

Deutz 10006 2 WD w/cab, heat, \$8,200

Leyland 270 Turbo 80 PTO Horse Power 4 new tires 3000 Hrs. \$7900.

Ford series 250 PTO hay baler, \$800

International 350 Forage Harvester w/1 row crop and pick-up head, good condition \$1,500.

Badger 1416 3 btr. forage box w/roof w/Badger tandem gears, \$2980

Dion 2 btr. 16' forage box w/8 ton NI gears, \$1000

NI 272 cuttditioner excellent condition \$2785

Taylorway 3.7 Shank 7' Chisel plow, 32" clearance w/twisted shovels \$770

Taylorway model 200 217 disc harrow, 10' w/flex bearing hangers, 22" blades, new cond., \$3550.

NI model 224 spreader w/hyd. gate, Gratz chain, good cond., \$3,800-\$3,400

NI 218 spreader with hyd. gate, cylinder & hoses, flotation tires, Gratz chain, good cond., \$3700-\$3,200

Dion 60" forage blower, good cond. \$1365

HERSEY FARM EQUIPMENT, INC.
RD 1 Jemestown, PA
717-965-4536



TRACTORS & EQUIPMENT

MF 1155 Tractor
MF 180 Dsl. Tractor
Ford 4000 Tractor
Ford 4000 Turf Tractor
Ford 3500 Tractor & Loader
MF 150 Tractor
AC D17 Dsl. Tractor
MF 40 Dsl. Tractor and Loader
IH Tractor & Loader w/Forklift Attch.
MF 760 Combine w/Attchs.

IH #46 Baler
IH 440 Baler
NH 315 Baler
NH 269 Baler w/thrower
NH 1010 Bale Wagon
NH 510 Manure Spreader
NI 213 Manure Spreader
Hesston PT10 Mower Cond.
JD Grain Drill

NEW M.F. EQUIPMENT

MF 285 Tractor
MF 245 Tractor
MF 265 Tractor
MF 1010 Tractor
MF 20 Turf Tractor
MF 34A Loader
MF 236 Loader
MF 236 Loader to fit MF 184-4 Tractor
MF #43 2B Plow
MF 820 Disc Harrow
MF 520 disc harrow

(2) MF 320 Disc Harrows
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 18 Scarifier
MF 124 Baler w/Thrower
MF 218 3 pt. Rotary Cutter
MF 222 Scraper Blades

S.G. LEWIS & SON, INC.

R.D. 2 Box 66 West Grove, PA
215-869-2214

NEW TRACTORS

JD 2150	
JD 2550	
JD 4650	
JD 2950 MFHH	
JD 4050	
JD 4250	
JD 4450	
JD 1250 4 whl. Dr.	\$15,500
JD 2440	\$17,000
JD 4240 QR, SG Body	\$33,000

NEW MACHINERY

JD 450 Spreader	
JD 660 Spreader	
JD 680 Spreader	
JD 445 Spreaders	
JD 300B Backhoe/Loader No Trade	
JD 115 11' Disc	
JD 315 13' Disc	
JD 6620 Side Hill Combine	
JD 4420 Combine	
JD 1326 Mower Conditioner	
JD 660 Rakes w/rubber teeth	
JD 3940 Fg Harvester	
JD 2600 5Bx18" Plow	
JD 1250 Plow 3Bx16"	\$1800 N/T
JD 1250 Plow 4Bx16"	\$2450.95
JD 2700 6Bx18" Plow	
JD 7000 Conservation Corn Planters 6R	

JD 16x10 FF Drill	\$4000
JD 327 Baler w/ejector	
JD 27 Flail Shredder	
JD 965, 1065, 1075 Running Gears	

USED MACHINERY

1-IHC 830 Fg. Harv.	
1981 model, PU & 2 R.C. H	\$11,000
1981 White Combine 7300 w/704N 4 Row Corn Head	\$25,000
JD 95 Combine Dsl. engine, corn special w/ 435 corn head & 12' platform	\$10,500.
JD 730 Dsl. Tractor	\$3500
AC WD Tractor	\$895
JD 400 Tractor Model 1981 w/60 mower	\$4,800
2-105 White Tractor	\$14,500
JD 90 Skid Steer Loader	\$5,500
JD 336 Baler w/ejector	\$4500
(1) JD 216 Forage Wagon w/1064 running gear	\$2,500
(2) AC 600 Series 6 Row Narrow Corn Planter	\$4500 ea
JD 8200 14x7 Plane Drill	\$3,000



WALTER'S SALES & SERVICE, INC.

RD 2 Box 49 Millinburg, Pa.
717-966-3778

JD Agricultural Dealer and CP

EQUIPMENT WITH EXTRA 4% DISCOUNT

Now Thru January 31st

WHITE TAG SPECIALS

Come in now and get our best price on selected new International tractors and equipment!

Prices on new International tractors combines planters, tillage hay and forage equipment never have been lower. We're "tagging" our outstanding values with special White Tags to call attention to our best buys.

Come see how you can save more on new equipment, and improve your bottom line. Offer expires Jan. 31, 1984.

**SAVE
EVEN
MORE!**

Buy now and get
special financing
on all White Tag Specials

Come in early. Prices are subject to equipment availability!



INTERNATIONAL HARVESTER

This offer subject to change or cancellation by International Harvester Company at any time without notice or obligation.

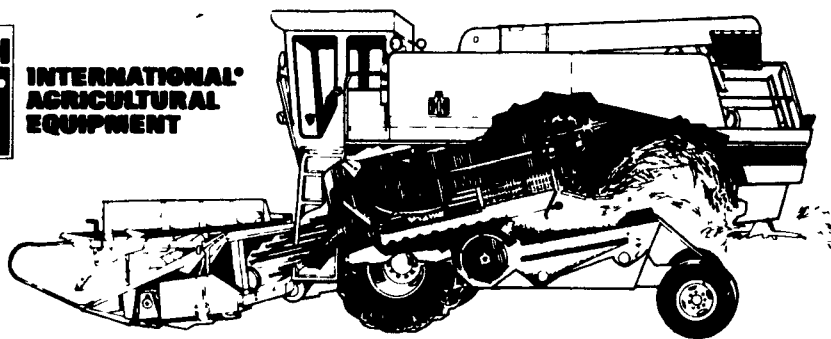
- 884 Row Crop
- 684 Low Profile
- 6388 D Tractor 2+2, Plus Demo
- 3688 D w/Rops, Plus Demo
- 3288 D w/Rops
- 15 Rear Blade, 3 pt.
- 20 Rear Blade, 3 pt.
- 181 15 ft. Rotary Hoe
- 5500 11 Ft. Mounted Chisel
- 5500 ~~SOLD~~ Mounted Chisel
- 4500 Field Cultivator
- 735 6-Btm. Vari-Width
- 1350 Grinder Mixer
- 781 For. harv. & 2 Row Head
- (1) 595 Spreader
- (2) 560 Spreaders
- 4130 Skid Loader, Rental
- 183 4-Row Cultivator
- 1190 Mow ~~SOLD~~ Conditioner

COMBINE HEADQUARTERS

★ Check With Us Before You Buy! ★



INTERNATIONAL
AGRICULTURAL
EQUIPMENT



- ★ IH 1460 Combine In Stock!
- ★ IH 1420 Combine - In Stock - ~~SOLD~~ Price! - Demo! Plus 8% White Tag Discount!
- ★ 963, 944, 943 Heads In Stock! - Old Price Plus White Tag Special
- ★ 820 15' ~~SOLD~~ Cutter Bar
- ★ 810 13' Cutter Bar
- ★ 810 15' Cutter Bar (Old Price!) - White Tag Special

★ **WAIVER TILL 9/1/84
OR CASH REBATE!**

We Specialize In
IH Combine Parts & Service!

**ASK ABOUT IH RED EDGE
"PERFORMANCE SAVINGS"
NEW 30 and 50 SERIES TRACTORS**
Best Cash Prices Ever
On
All Equipment Now

- ★ IH 3288
- ★ 3688 - w/ROPS - Demo Special!
- ★ IH 6388 - 4 Wheel Drive - 130 HP - 540/1000 PTO
Extra Special Price — Buy A Real 4WD
At The Same Price As An Add-On 4WD!
- ★ 5288 - Rental Demo, Special

Purchaser of New IH Tractor
(Model 484 To 6788)
Eligible For All Expense Paid

TRIP TO LONDON
(5 days, 4 nights)
OR CASH REBATE

Offer Good Nov. 1, 1983 to Jan. 31, 1984

★ **WAIVER
TO
3/1/84!**



USED EQUIPMENT

TRACTORS: (Waiver to 3/1/84 or
Cash Rebate)

IH 806, 3 pt. Hitch, Wide Front,
TA, \$5950 (No Trade)
(2) IH Farmall "C"
Int. F12 w/cult.
Int. 400 Farmall, Real Nice!
IH 1066 D w/Cab & Air - Real
Nice!
IH 766 D, Black Stripe
IH 806 Diesel, Wide Front, TA,
Fast Hitch
IH 560 Gas, 400 Gas
MF TO-20 w/Turf Tires
MF 33 w/3 pt. Hitch
MF 65 Diesel w/MF Loader

HAY & FORAGE EQUIPMENT:

(3) IH No. 51 Forage Wagon
IH #5 Flail Chopper, Direct
Throw
33 NH Flail Chopper
Gehl FBB 88 Blower
Gehl 99 HI-Throw Blower, nice!
550 IH Chopper
AC 6' Trailing ~~SOLD~~ Mower
IH 990 9' Mower Cond.
1014 Hesston Mower Cond.
IH 27 Baler w/Thrower
IH 47 Baler w/Thrower
IH 440 Wire Baler w/Thrower
New - 451 ~~SOLD~~ 9' 3 pt. Hitch
Sickle Bar
Kuhn GF 452 4-Star tedder,
Nice Shape
5026 Elec. Wheel, 8 ton Gears

MISCELLANEOUS:

Used CP Model 250 Rotary
Vane Air Compressor w/IH
282 Diesel Engine Mounted
on CO 1600 Int. Truck -
\$3800 — \$3,650 Now
\$3000
Shaver 3 Pt. Hitch Post Driver

TILLAGE: (Waiver to 3/1/84)

Cub 1-way Plow
Cub Single Gang Disk
Cub 1-Row Cult.
Cub 2-Way Plow
Pittsburg 9' 1" and 11' 6" Disks
JD 3 pt. ~~SOLD~~ 14" Plow
JD 110 12' ~~SOLD~~ Disc Shape
IH 370, 350, 37, 35 In Various
Sizes
Oliver 4-Bot. Semi-Mtd. Plow
IH 440 4-Bot. Plow
IH 700, 5 Bot., 18" Plow
IH 700 6 Bot. 16" Plow
IH 550 5-Bot. 16" Semi-Mtd.
Plow
IH 540 4-Bot. 14" Semi-Mtd.
Plow
IH 531 3 pt. 3 Bot. Plow
IH 311 Fast Hitch Plow, 3 Bot.
AC 1-Bot. Trailing Plow
MF 880 5-Bot. Auto. Reset
Glencoe 18' Field Cultivator
Vicon 10' Power Harrow —
\$2,800 — \$2,200 — \$2,000

PLANTERS: (Waiver to 5/1/84)

IH 455 4-Row
IH 658 6-Row Narrow Dry Fert.
4 & 6 Row Cycles, Field Ready!
JD FBB 17x7 DD
IH No. 10 13x7 Plain Drill
IH No. 10 16x7 SD, Comb. Drill
Oliver 24x6 Combination Drill
MF 13x7 Comb. Drill

LAWN & GARDEN:

IH 127 w/Mower, Recond.
IH 1680 w/Mower, Like New
IH 682 w/Mower, Like New
IH 782 w/Mower, Like New
IH 100 w/38" Mower

COMBINES:

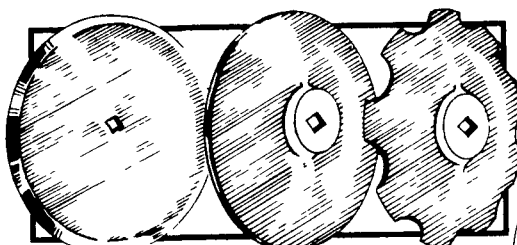
IH 863 6-Row Narrow Corn-
head, Low Acres
715 Diesel Hydro w/13'
Floating Cutter Bar and 744
Cornhead
AC Model C2, 1969 Gas, 14'
platform, 4 Row Wide
Cornhead \$5500!
810 13' Cutter Bar
MF 410 Gas, w/34 Corn-head &
13' Platform
FKS Gleaner Diesel 4 Row
Wide, 12' Platform
MH 35 SP 8' Platform, Fair
Shape
715 D Hydro, 1976 Model, 820
15' Cutting Bar — Real Nice
Waiver To 1/1/85
or Cash Rebate

IH 315 Hydro w/12' Platform,
Field Ready, w/PU Wheel &
Hyd. Lift
IH 315 Hydro (For Parts)
IH 403 w. 4-Row Wide Head &
12 ft. Grain Platform
IH 315, 2-Row Wide Head
IH 203 w/2 Row Head
IH 227 Cornhead, fits 315, 205
or 203

IH 234 Picker w/Husking Bed,
Mount for 656 Farmall
Set of Tires & Rims for 1420
Combine - 23x134 Rice
tires

MATERIALS HANDLING: (Waiver
to 3/1/84)

IH 2250 Loader for Farmall
Tractors
Farmhand Loader for IH 74
Series Tractor
157 Hawk Bilt Spreader - was
\$895 Now \$695
NH 512 Spreader w/End Gate
NI 212 Spreader, PTO, flail
type
200 Gal. Century Sprayer,
Piston Pump
250 Gal. Tecoma Air Blast
Trailing Sprayer — \$1,500!



IH DISK HEADQUARTERS!



**EARTH
METAL DISKS:**
60% Stronger!
20% Longer Life!

C-shape bearing standards
Allow gangs flex to ride
over obstructions.



IH 496 FLEX WING DISK HARROWS WITH EARTH METAL DISKS!

Model	Cutting Width	Disk Blade Spacing	Blade Sizes Available	Transport Width	Operating weight With Blade Sizes
496 Folding Wing- Type	18 ft 7 in	7 1/2 in	20 or 22 in	12 ft 5 in	6598 lb
	22 ft 2 in			12 ft 5 in	7326 lb
	24 ft 7 in			14 ft 8 in	7807 lb
	28 ft 1 in			14 ft 8 in	8513 lb
	31 ft 8 in			14 ft 8 in	9137 lb
496 Cushion Gang	19 ft 1 in	9 in	22 in	12 ft 5 in	6750 lb
	22 ft			12 ft 5 in	7370 lb
	24 ft 10 in			14 ft 8 in	7847 lb
	27 ft 8 in			14 ft 8 in	8482 lb
	32 ft			14 ft 8 in	9224 lb
496 Cushion Gang	19 ft 1 in	9 in	22 in	12 ft 5 in	7125 lb
	22 ft			12 ft 5 in	7667 lb
	24 ft 10 in			14 ft 8 in	8105 lb
	27 ft 8 in			14 ft 8 in	8911 lb
	32 ft			14 ft 8 in	9700 lb

New For 1983...
22'2" - 7 1/2" Spacing, Cushion
Gang - Model 496

Others In Stock...
19'1" - 9" Spacing, Regular Gang
19'1" - 9" Spacing, Cushion Gang
22'9" Spacing, Cushion Gang

CALL US FOR IH DISK HARROW PARTS IN STOCK!

★ **WAIVER ON DISKS TILL 3/1/84!**

IH GRAIN DRILLS

- In Stock - Ready For Delivery •
- 18x7 Plain 16x7 Comb.
- 21x7 Plain, old Price!

★ **WAIVER TILL 5/1/84!**

IH SUBSOILERS - IN STOCK

- No. 14, Auto Reset, 5 Shanks
- No. 10, ~~SOLD~~ Shanks
- No. 10, 8'3, 3 Shanks

★ **WAIVER TILL 3/1/84!**

We Ship Parts UPS, Parcel Post — Same Day! Call For Stock Items

ERB & HENRY EQUIP., INC.

New Berlinville, PA. 19545

Ph: (215) 367-2169

Daily 7-5; Sat. 7-3

- ★ Farm Bilt Hay Wagons
- ★ John Blue Sprayers
- ★ Jamesway
- ★ Sprayer Parts headquarters
- ★ FMC Bean
- ★ DeLaval
- ★ Roskamp Roller Mills
- ★ Woods
- ★ Deutsch-Fahr Tedders In Stock
- ★ Grasshopper Mowers

★ **Northwestern Skid Loader - Model S71 Gas -
Demo, In Stock At Special Price!
Special Price On Diesel Unit Available
On Factory Order - Call For Price!**



We're An "XL" Dealer!



NEW JOHN DEERE TRACTORS

- 2440 • 2640
- 2150 • 2150 4WD
- 2350 • 2550 4WD
- 2950 4WD • 4050 Cab
- 4250 4WD And Cab • 650 Compact

★ Most of These Tractors Have Hi-Lo Shift (4050 & 4250 w/Power Shift)

NEW JOHN DEERE EQUIP.

- 4420 Combine
- 643 Cornhead
- 716 A Forage Wagon
- 1610 Chisel Plow
- Drills - 18 & 21-7
- Disks - 115-425
- Rotary Cutters - 506-606
- 450 Hyd. Spreader
- 4 & 6 Row Cornplanters
- ★ JD Ind. 300B Tractor with Loader — Backhoe Avail.
- ★ Buy with JD Cash Rebates & Waiver of Interest
- ★ Used Snowblower, Front Mtd., To Fit JD 950 Compact Tractor, Like New, 60". Can Be Adapted to others — Special \$775!

SPEERY NEW HOLLAND

NEW HOLLAND NEW EQUIP.

- Rakes
- 311 & 316 Balers
- TD 200 13' Disk
- 30 Blower
- 353 Grinder Mixer
- 782 Harvester w/2 Hds
- All Sizes — Manure Spreaders
- L425 Skid Steer Loader

USED TRACTORS

- 1977 JD 2840 w/Roll Guard, with 158 Loader and Snowblade/850 Hrs.
- 1974 JD 4430 Cab, Air, Power Shift, Turbo, Wts., PTO, 125 H.P., 2970 Hrs.
- 1969 JD 4020 Tricycle w/Wts., Side Console, Synchro Fenders, 3350 Hrs.
- JD 2020 Gas Utility Tractor
- Ferguson T030 w/Woods 80 3 Pt. Mower
- New 48 HP Diesel Agra Power w/40 Hours, 3 pt. Hitch, 540 PTO — Special \$4,995! (Built By Fiat)

All Tractors In Good-To-Excellent Working Cond!

USED COMBINE ATTACHMENTS

- 215 Rigid Platform, Used 1 Season
- 216 Flex Platform
- 444 Cornhead

Brillion • Century • Woods • Vicon • Lely • Tye • Kuhn



SPEERY
NEW HOLLAND

KERMIT K. KISTLER, INC.

Serving Our Customers Since 1945
Lynnport, PA 18066
State Highway Rt. 143
Phone 215-298-2011

John Deere
Lawn & Garden
& Snowmobiles
Many Short Lines
Of Machinery

New Holland
Machinery
Wheel Horse
Lawn Equipment

BRICKERVILLE EQUIPMENT

SALES * SERVICE * PARTS
537 E. 28th Div. Hwy. Lititz, PA 17543
717-626-6198

Outstanding Features

- Thick walls for extra strength. No spreader on the market has thicker walls. 30 to 70% thicker steel than competitive spreaders.
- Adjustable relief valve maintains uniform pressure. Prevents over pressurization of tank.
- Primary Shut-Off valve, plus a secondary shut off provide more than adequate protection against liquids entering the pump.
- Big 512 cubic inch displacement pressure-vacuum pump is standard equipment. Conservation rated at 135 C.F.M. or air at 85 to 90 percent vacuum for filling and will maintain 10 to 15 lbs of pressure for unloading or agitation in the pit.
- Open door models permit access for cleaning and easy maintenance.
- Walking beam suspension. Stand on 2 600 3 150 3 600 and 4 600 gallon models. (Optional on 1 500 & 2 100 gallon models). Front & rear wheels on each beam follow contour of the ground provides a smooth level ride.
- Flotation tires reduce soil compaction. Let you spread on soft ground early in season.
- Massive frames resist the wrenching twisting jolting shocks of hard field usage year after year.

Sizes - 800 gal. thru 4600 gal.

Both vacuum & augermatic spreaders for truck mount or trailer type

- 1 - 1974 Ford LT 9000 tandem axle truck tractor with PT 270 Cummins engine, 6 speed Fuller trans., power steering, air slide 5th wheel, good 10.00x20 tires.

SPECIALS

- 1 - Used JD 430 Tractor, WF Axle, Nice Cond.
- 1 - Used 2 Knife Plow Down Attachment For 3150 Spreader, Used Very Little
- 2 - Used 1500 gal. vacuum spreaders, one with plow down attachment, both in good condition.

Attn: Shop Mechanics

- 1 - Used John Beam front end alignment tool, complete

CALL US FOR YOUR NEEDS OF

- Farrowing Crates
- Lagoon Pumps
- High Pressure Pumps



CLOSE OUT SALE

NEW IDEA

EVERYTHING MUST GO! PRICES CUT TO A MINIMUM!
PRICES AT DEALER WHOLESALE OR LESS
NO INTEREST ON USED TRACTORS & COMBINES
UNTIL 12/1/83

New Equipment

Allis-Chalmers

83 mtd plow

Repossessions

- AC 5050 4WD Tractor
- AC "E" Combine
- NI model 177 Elevator, 31', w/5 HP engine
- AC 2313 Disk Harrow, 13'
- JD model F620H 4 bottom plow
- AC 3 btm. snap coupler plow

Other New Equipment

- G.T. 370 Grain Dryers
- G.T. 580 Grain Dryers
- G.T. Quick bin
- Moore Uni Drill 10'
- Brillion 8' 9" soil builder
- Brinley DD500 Disc harrows
- Unicorn log splitter
- AC air corn planter

Used Equipment

- AC FKS combine, 1968 model, gas w/13' grain head, C440 corn head
- AC 5 btm. semi-mtd. spring trip plow w/new bottom
- NI 319 mtd. corn picker w/315 sheller
- Minneapolis Moline model L Uni System w/combine
- AC 7000 Tractor & cab
- MF 510 combine w/heads
- JD 24T baler w/#2 bale thrower
- IH 303 Combine
- NI 702 Uni System
- AC K240 Corn Header
- MF 44 Corn Head

Special

NH 1400 combine, model 1400, 13' grain head, excell. cond., low hours, equipped for corn & soybeans

FOB Herndon, Pa.
Routes 147 & 225

**MECKLEY'S
GARAGE**
758-3915 (717)
Herndon, Pa.

Buy at Dealer Invoice

Model	Invoice Price
214 Manure Spreader With 215 Element	\$4,055
213 Manure Spreader With 215 Element	\$3,850
406 Rake	\$2,310
323 1 Row Picker	\$4,995

We're Dealing Straight From the Invoice

Now, for a limited time, we'll sell selected New Idea equipment on our lot at the factory invoice price.

We are sacrificing profits now to lower our inventory investment cost during the winter months.

THINK ABOUT

- Our low prices
- Your trade in allowance
- Investment tax credit
- Re-Investing your PIK income

See us now. Check the invoice and save on top quality New Idea equipment at our lowest possible price.



**FACTORY
INVOICE
PRICING**

**AVCO
NEW IDEA**

**N.H. FLICKER & SONS,
INC.**

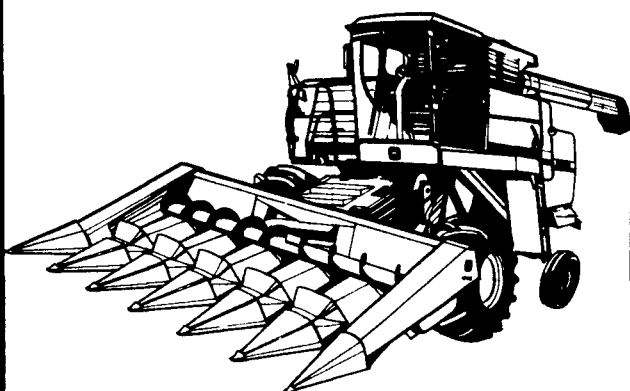
Phone 215-683-7252

Box 68 Maxatawny, Pa.

TRACTOR EXTRAVAGANZA

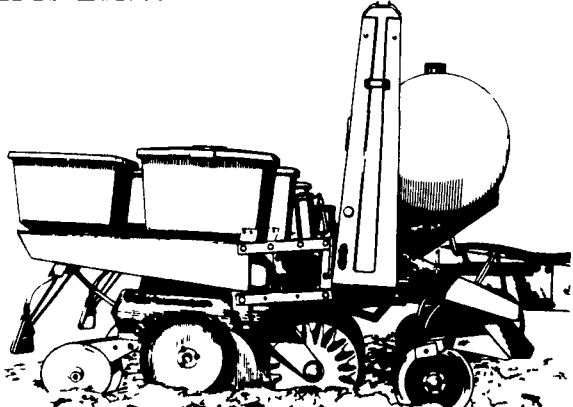
Special reduced prices on all John Deere models in stock. Good variety available with many features. Quick delivery.

LEVEL YOUR SLOPES



Maximize crop savings on slopes with a John Deere SideHill 6620
Up To **\$5200** In John Deere Rebates Available On This Model.

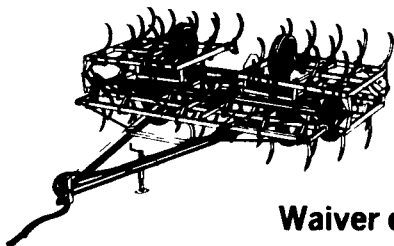
EXPERIMENT WITH TILLAGE



This Max-Emerge® conservation planter works in nearly all field conditions.
Save Up To **\$7500** in JD Rebates. Waiver Of Finance Until April 1984.

TRANSPORT AND STORE EASILY

Wide-working John Deere field cultivators fold up and over for easy transport, easy storage.



Call for our special price on 18' model

Waiver of Finance Until March 1984

This is a used equipment clearance - we need to generate cash!

This Week's Used Equipment Specials

JD 2520 gas, wide front, repainted, extensive repairs made
\$5,500

1979 6650 Fox self-propelled harvester w/rear wheel drive, heater, 3 row corn head & hay pickup
\$26,000 no trade

IMPLEMENTS

Tractors

JD 4020 diesel, wide front, power shift
JD 4630 tractor, cab, air, quad range trans.
JD 8640 tractor, repossessed, low hrs., cab, air
JD 4230 tractor, quad range trans. w/Sound Gard body
JD 4230 tractor, quad range w/rollguard
JD 2520 w/WFE, gas, side console

Used Hay Equipment

'479 NH haybine
PT 10 Hesston mower conditioner
1209 JD mower conditioner
24T JD baler w/model 30 ejector

Other Implements

7000 6 row JD planter, liquid or dry fert.
1240 4 row JD planter, dry fert.
1440 4 row JD planter, dry fert.

Combines

JD 6620 sidehill combine, 1981, w/643 corn head, & 215 flex platform, exc. cond.
JD 6620 combine w/643 corn head and 200 series flex platform, power rear wheel drive repossessed, exc. condition
JD 6620 combine w/643 corn head and 200 series flex platform, repossessed, exc. condition
JD 4400 combine w/443 corn head and 13' platform
AC L2 combine w/6 row corn head and 15' flex platform
1981 JD 7720 combine w/643 corn head & 215 flex platform, 4 WD, only 850 hrs.
JD 7700 w/643 corn head, 216 platform
JD 443 corn head
JD 95 combine, engine completely overhauled w/4 row wide corn head & 13' platform

PARTS FOR NEW HOLLAND HAY EQUIPMENT SEASON END CLEARANCE SALE

Receive 20% discount on all knives For Sperry-New Holland haybines Models 479, 489, 495 & 1495

Discounts will also apply to guards & knife head bushings

DEERE'S COMMITMENT TO YOU

At John Deere, your new machine buy has a solid backing of parts, service, and good trade-in value

BUY NOW...

PAY NO FINANCE CHARGES ON THESE MACHINES UNTIL SPRING 1984

OXFORD GREENLINE, INC.

Hours: 7:30 AM - 5:00 PM
thru Fri.
7:30 AM - 12:00 PM
Sat.

RD 1, Oxford, PA
215-932-2753
215-932-2754

FREE

John Deere design, dependability and dealers make the difference



FARM EQUIPMENT

FARM EQUIPMENT

USED TRACTORS

AC D1 w/loader
AC 170 Diesel
AC 190XT w/cab
AC 7040 power shift
AC 7040 power director
JD A
Oliver 880 w/loader
MF 165 w/loader
MF 1080
Ford 901

NEW TILLAGE EQUIPMENT

now in stock
AMCO disc harrow
Glenco Soil savers
Glenco Field Cultivators
AC Disc Harrows
Landoll Chisels
Bush Hog Chisels & Soil Hogs
Tye No-Till Drills

NEW TRACTOR SPECIAL

AC 6140 2 spool valve power change wheels
List \$15,100 Sell \$10,900

USED EQUIPMENT

Gehl 600 Harvester w/ heads
Gehl 800 Harvester w/ heads
Gehl 72 Flail Harvester
Gehl 95 Grinder Mixer
Gehl 2600 Skid Loader
New Idea 324 Sheller
JD 10' Chisel 3 pt. shank
Bush Hog Soil Hog 9 shank
IH Forage box

Peterman Farm Equipment

717-249-5338 or 249-2150
Farm & Lawn Equipment - Chain Saws
225 York Road
Carlisle, PA 17013



LOST CREEK IMPLEMENT

Oakland Mills, PA 17076
717-463-3511 463-2161



New 1982 6620 Sidehill Combine w/215 Flex & 643 Corn Head
Waiver until September 1984

GREEN VALUE USED EQUIPMENT TRACTORS

JD 2440 tractor, w/146 loader
15 HP Satoh Beaver diesel, 4WD, \$3,100
IH 400 tractor, \$2,200 nice!
JD B tractor, excellent, \$1,000
8N Ford, sharp
Clark fork lift, 4000 lbs. lift

PLOWS

JD F350, 4 bottom 16", \$2,200
JD 145 plow, 5 bottom 16", \$2,500
JD 1250 4-16
JD 145 4-16
Case 416

DISCS & HARROWS

IH 401 harrow
JD 12' drag harrow, \$575
JD KBA transport disc 10', \$1,095
IH 10' disc, transport disc, \$950
AC drag disc
Case 7' Drag disc, \$195
JD BW disc 10', \$1,095

DRILLS & PLANTERS

IH 56 4 row insecticide
10' Moore no-till drill, used 300 acres
494A planter
5400 White 6 row no-till

HAY & FORAGE

JD elevator
NI forage blower \$895
JD 24T baler w/30 ejector, \$2,495
JD 1 row snapper head, fits JD 35, 38, 3800 & 3940 harvesters
Grimm hay tedder, \$975
IH 440 baler w/thrower, \$3,750
JD 24T baler w/#2 ejector, \$1500
NH 818 harvester w/4 heads \$1,335
JD 38 forage harvester w/2RC
JD 16A flail chopper
38' Case elevator

MISCELLANEOUS

IH 540 manure spreader, very good
MF 160 spreader w/hyd. endgate, good, \$1,395
NH tank spreader
JD 227 picker for parts
7' heavy duty 3 pt. blade, \$625
96" bucket for 145, 146, 148, 158 loader
JD Finance Waiver & Rebates On Most New Items!

Enclosures for 4 post ROPS

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

Used Parts For:
AC: B, C, WC, WD, CA
Case: All models to 1370
Ford: 8N, 9N, 600, 800, 900,
Major, Dexta, 6000, Jub.
DB: 990, 995, 1200
IHC: 684, 656, 674, 574, 460,
400, 300, 350, A, B, BN,
H, M, C, W4, W6
JD: 2010, 60, 430, 420, 40,
MC, A, B
Oliver: 66, 77, 1850
MF: 20, 30, 85, 60
Many others; MH, CK

**Also the Following
Used Tractors for Sale:**
Case 800 \$2500
Farmall 460 \$2750
Farmall 340 \$1650
Case LA \$1500
AC WD WFE \$ 950
Case 450 Dozer \$9500
JD 450 Dozer \$9000
Michigan Loader (call)
ACWD \$ 750
Case 430 w/ldr. \$3950
Case 970 Diesel \$8500
JD 95 Combine \$4100
DB990 w/ldr. \$4500
Farmall 400 \$2200
Ford Major \$2200
Case 770 D \$5500
JD 435 \$2500

Industrial:
IHC 3616 Loader
Case 310 Crawlers
Oliver OC-3
AC HD4 Crawler Loader

Special of the Week:
Used tires and rims
(Power Adjust) for
AC WD & WD 45
All mounted \$300

Mechanics Special:
Ferg. 30 w/ldr. \$1000
AC HD4 ldr. w/winch \$2900
Ford 8N \$2200

Loaders Available For:
Case DB 900 & 995 \$1250
Case 430/530 \$ 750

Ed Goodrich, Jr's Tractor Parts Co.
Rt. 38 & 38B, Newark Valley, NY
607-642-8688



M.M. WEAVER & SON, INC.
Leola, PA 17540 (717) 656-2321.

Located: 4 miles West of New Holland on
Route 23, 1½ miles Northeast of Leola
on the North Groffdale Road, 1 mile on the
right, opposite Groffdale Mennonite Church

USED COMBINES

1976 MF 750 4 wheel drive, 6 row, 4 row corn head and 15 ft floating grain table	\$39,000	1972 MF 510 diesel with cab	\$12,000
1977 MF 750 Hydro with grain saver	\$29,000	1972 MF 510 diesel with cab	\$12,500
1977 MF 510 Hydro cab w/air condition	\$19,000	1969 MF 510 diesel with cab	\$12,500
1976 MF 750 gear	\$26,000	1968 MF 510 diesel with cab	\$10,000
1976 MF 750 hydro	\$19,500	1968 MF 510 diesel with cab	\$15,000
1976 MF 750 hydro with straw chopper	\$29,000	1968 MF 510 diesel with cab	\$13,500
1975 MF 510 gear air conditioned cab	\$19,000	1967 MF 410 diesel with cab	\$6,500
1975 MF 750 hydro	\$22,000	MF 300 gas	\$3,500
1975 MF 750 gear with grain saver	\$26,000	IH 303 w/corn & grain head	\$3,000
1975 MF 760 hydro	\$26,000	Gleaner "A" gas	\$2,000
1975 MF 760 hydro V8	\$29,000	JD 45	\$2,100
1974 MF 760 hydro	\$25,000	Above Combines Include Grain Tables Less Corn Heads	
1973 MF 760 hydro	\$24,500	Three 10 ft, four 13 ft, six 14 ft, eight 15 ft, five 16 ft Grain Heads	
1972 MF 510 gear with cab	\$12,500	Nine 2 row 38", fifteen 4 row 38", six 4 row 30", eleven 6 row 30", two 8 row 30" Corn Heads	
1972 MF 510 gear with cab	\$10,500		
1972 MF 300 gas with cab	\$10,500		
1971 MF 410 gas with cab	\$8,500		
1971 MF 410 diesel with cab	\$8,500		
1972 MF 510 diesel with cab	\$8,500		
1971 MF 510 diesel with cab	\$12,500		

USED TRACTORS

MF 35 Dsl	\$2,500
MF 178	\$3,900
MF 165 Dsl	\$4,200
MF 1155	\$10,500
Farmall A	
IH 656	

SPECIAL

New MF 2805 Diesel Tractor, 190 HP, 24 Speed,
Air Conditioned, Cab & Heater, 20.8x38 Axle
Mounted Duals
List Price \$69,277
Less Special Discount \$20,000
\$49,277

SPECIAL - CHRISTMAS PARTS DISCOUNT - SPECIAL

**15% - One Parts Order, Minimum of \$500 per Customer.
Cash Only**
**10% - One Parts Order, minimum of \$300 per Customer.
Cash Only**
No other discounts will apply to this special order.

Ends December 31, 1983

SPECIAL T.L.C. SERVICE SPECIAL

9% Discount December 1983

On all labor or equipment repairs scheduled to be performed in our shop.
On all IH parts used to repair equipment in our shop.
We work on all makes... financing available.

**PLUS FREE HAULING UP TO A 50 MILE RADIUS
DURING DEC. 1983**

**Announcing Waiver of Finance on New and Used Tractors and
Equipment plus Low Prices.**

584 diesel row crop, 16 9x30 rear tires, 52 HP	\$13,165
584 diesel utility, 16 9x28 rear tires, 52 HP	14,500
584 diesel, 4 wheel drive, 52 HP	17,600
684 diesel row crop, TA, 18.4x30 rear tires, 62 HP	17,200
884 diesel row crop, TA, 18.4x30 rear tires, 73 HP	19,990
720 5-18 reset plow, steel trash plates	8,800
4500 16' vibra shank field cultivator	2,800
560 manure spreader, 250 bushel capacity	5,150
56 blower	2,550
1300 3 pt 7' sickle bar mower	2,200
881 forage harvester w/2 row corn head and grass head	18,000

**WANTED: DEAD OR ALIVE
ROUND BALER BUYER**



One Only
IH 2400
Round Baler
\$8,200
Cash

LOCAL GROWN USED TRACTOR

1066, 130 HP, 1975 model, 20.8x38 rear tires, one
owner, we sold it new, we serviced it, used 2500 actual hrs.,
guaranteed
\$14,500
Waiver of finance available until 3/1/84.

LOCAL GROWN USED TRACTORS & EQUIPMENT

Waiver of finance available till 9/1/84 on some items.

Massey 225 D w ldr, used 1150 hrs	\$13,000	Used lawn & garden tractors	900 and up
Farmall M 51 model, new paint	1,750	D R Ellis 2 row transplanter	
IH 886 cab & air	18,750	Gleaner M 1974 model combine, diesel engine, cab, 13' platform with pickup reel & 4 row corn head, one owner	18,500
JD 2010 row crop, needs engine work	1,950	IH 400 four row planter, no till	2,850
1066 Black stripe, cab exc cond	17,500	IH #56 four row double disc planter	1,850
3200 skid steer loader, new paint	5,000	IH 400 6 row planter, no-till	3,750
JD 430 wide front	2,500	Athens model 131 13' HD disk harrow equipped with Buster Bar and 4" cylinder	5,650
IH 37 baler w thrower	1,450	JD #130F 4 14 3 pt plow	850
IH 47 baler w thrower	1,850	IH 700 5-16 auto reset plow	2,950
IH 430 baler w thrower guaranteed	2,750	IH 700 4-16 auto reset plow	2,250
IH 37 baler	1,200	IH #16 rake, one owner	1,350
Papec blower good condition	650	IH #35 rake, 3 years old	1,875
IH 56 blower new ring, excellent	1,800	IH 990 7' & 9' mower conditioner	
AC blower	400	IH #530 3-14 3 pt plow	650
IH 830 harvester w 2 R corn head	6,500	IH 710 3 16 reset semi mount plow	2,750
IH #93 combine	2,500	IH 540 4 14 semi-mount trip plow	750
500 gallon Walsh sprayer	1,200	Farmhand loader	475
JD #345 4-16 reset plow, exc		Badger forage box	1,400
IH #56 4 row planter, late model, narrow row			
IH 370 disc harrow 11' 6"	2,250		
NH 880 harvester w/2R corn head	3,700		

We ship parts by UPS daily

We specialize in TLC guaranteed service

C & W EQUIPMENT, INC.

260 York Rd., Carlisle, PA 17013
717-243-4419

FARM EQUIPMENT

FARM EQUIPMENT

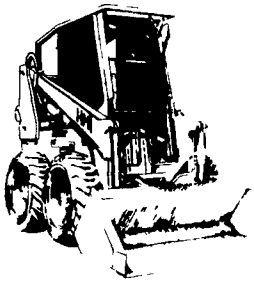
FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT



CLOSE OUT SALE!

- * New Hydraulic 6C Skid Steer L
List - \$9800 Sale - *6900
- * Long 445 4 ~~SOLD~~ Drive
with Loader SALE *6100
- 231 Hours *3900
- * Long 445 308 Hours *4200
- * 610 Bobcat *5600
- * Hydraulic 8C *1400
- * 1969 Ford Dump Truck *18,000
- * Long 5 in 1 Backhoe

Many other construction items,
pumps, generators, compressors,
jack hammers, cement finishers.

LEISER'S

Route 191, Bethlehem, Pa.
215-691-3070



Eckroth Bros. Farm Equipment

RD 2 Box 24A
New Ringgold, PA 17960

717-943-2131

7:30-5:30 Mon.-Fri. 7:30-4:00 Sat.

* To Better Serve Our Customers, A New Phone *
System Has Been Installed.

Our New Number is 717-943-2131

NEW EQUIPMENT SPECIALS

- | | |
|---|------------|
| IH 5088 Tractor (rental unit, 250 hrs.) | *34,000* |
| IH 540 Manure Spreader | *3,300* |
| IH 781 Forage Harvester w/2 R Corn Head | *11,500* |
| IH 1190 9' Mower Conditioners | ea. *6800* |
| IH 425 T Baler | *5800* |

* Cash rebate or waiver of finance available

USED COMBINES

- | | |
|--|--|
| IH 715 diesel hydro combine,
900 hours, 13' header &
844 corn head, \$19,000 | IH 815 combine w/2 heads
205 IH combine w/2 heads |
|--|--|

USED EQUIPMENT

- | | |
|-----------------------------|-------------------------|
| Leyland 270 Diesel | NI #402 hay rake |
| Leyland 384 Diesel | 430 IH baler |
| Ontario grain drill | #16 IH forage harvester |
| #56 Blower, nice | NI 214 manure spreader |
| 505 ~~SOLD~~ tractor | 706 IH tractor |



SPERRY-NEW HOLLAND

END OF YEAR SPECIALS ON NEW EQUIPMENT

MF 210-4 Tractor
21 PTO H.P.
4 WD, Ag Tires
SPECIAL *6,600

MF 294 Tractor
4 WD, 57 H.P.
SPECIAL *18,800

Gehl #4300
Skid Loader
Bucket and Fork
SPECIAL *11,200

NH L-425 Skid Loader
Bucket and Fork
SPECIAL *12,500

NH #30 Forage Blower
1000 RPM
SPECIAL *2,700

MARLIN
SCHREFFLER
Pitman, PA
717-648-1120

GUNTHER HEUSSMAN INC.

SO. 5TH ST., EMMAUS, PA. 18049

215-965-5203

Call John Bolton
or Gunther

QUALITY LATE MODEL FARM EQUIPMENT

TRACTORS

- JD 4520 Dsl., Very Good
- JD 4630 Dsl., cab, air, quad,
1975 20x38 Tires, very
nice
- JD 4030 Dsl. Cab and Air
- JD 4430 Dsl., cab, air, quad
- JD 4430 Dsl. Cab, Air, Syn-
cro Shift, 1975 model
- JD 4430 Dsl., WF, Rops
- JD 4230 Dsl. Power Shift,
fender tractor, very
good
- JD 4020 Dsl. Power Shift
w/cab ~~SOLD~~
- JD 4020 Dsl., WF, dual
hyd., 1968
- JD 4010 Dsl WF
- JD 3020 Dsl. WF, side con-
sole, rebuilt engine, ex.
cond.
- JD 3020 Dsl., WF, dual
hydraulic
- JD 3020 Gas Row Crop
- JD 2940 Dsl w/148 loader
- JD 2630 Dsl. WF, Indepen-
dent PTO
- JD 2040D Utility
- JD 820D 3 cyl. 8 speed
- JD 830D, roll guard, cab
with heat and air
- JD 300 w/Loader
- IH 1086D Cab and Air,
1500 hrs., 20x38 Tires,
Very Nice
- IH 1066 Dsl. Year Round
Cab and Air
- IH 1066 Dsl., WF, cab, air,
new tires, new TA, ex-
cellent
- IH 1466 Dsl. Cab, Air, Very
Nice

- IH 1456 Dsl., WF, dual hyd.
- IH 1206 Dsl WF
- IH 986 Dsl., Rops, 1185
hrs.
- IH 966 WF w/cab 18x38
rubber very nice
- IH 686 Dsl WF
- IH 856 Dsl. WF 38" rubber,
new TA, very good
- IH 84 Hydro
- IH 766 Dsl. WF, w/cab & air,
very nice

- IH 656 Gas, 3 pt. hitch
- IH 504 Gas, w/3 pt.
- AC 7000 Dsl. Power Shift,
Cab and Air
- AC 200 Dsl. w/cab, ex-
cellent
- 1975 Ford 3000 Dsl.
w/loader, nice
- White 2-85 diesel WFE
- White 2-70 Dsl. WF, 1
owner
- Ford 8600 Dsl., dual
power

GRAIN DRILLS

- JD FBB 15x7 Fert., Grass
Seed, DD
- JD FBB 17x7 Fert., DD,
Power Shift
- JD 8300 10x18 Double
Disc, liquid fert. and
press wheels, like new

GRINDER-MIXERS

- JD 400, very nice
- NH 358 w/folding auger
(new, priced right)
- NH 357
- Gehl 95 Real Nice
- Brady 950 hydra drive
- Gehl 65, excellent

DISCS

- JD BWA 11'6"
- BWF 17' Wing ~~SOLD~~ Rock flex
- JD 210 12'
- JD 4000 Double Offset 12'
- JD TWA Plow Disc, 28
blade
- JD AW 10' Very Nice and
11'6" very nice
- Bush Hog 146 Offset, 11',
big blades

CORN HEADS

- AC 430 FG-CII
- MF 24, 43, 44
- JD 243, 244, 343, 443,
444, 643
- IHC 227

CORN PLANTERS

- JD 7000, 6R liquid fert.,
w/monitor & insecticide
- JD 7000 4RW dry fert, in-
sect., monitor, very
good
- JD 7000 4RN liquid fert,
monitor, sharp
- JD 1240 4R plate and
plateless, liquid and dry
fert, insect. optional
- IHC 56 2R disc ~~SOLD~~ oners on
corn, dry fert., very
good

BALERS

- JD 336 w/thrower, very
good
- Hesston 5400 Round Baler
- JD 336 Wire w/thrower
- NH 277 w/thrower
- NH 276 w/thrower
- NH 851 Big Round, auto
wrap

COMBINES

- 1975 JD 4400 Dsl., w/cab, choice of heads
- 1980 NH TR70 cab and air, hydro 3208 cat dsl. 700 hrs.,
like new w/15' Flex Grain Platform
- 1979 JD 4400 Diesel, cab and air, 700 hrs., like new
- 1974 JD 3300 gas w/cab, choice of heads
- 1978 MF 510D cab & air, very nice, choice of heads
- NH 975 Combine, Cab, 13' Quick Tach Platform and
Pickup Reel, \$3650.
- IH 80 & 82 Pull Type Combines like new, cut 200 acres
- JD 453A Row Crop Bean Head

GOOD SELECTION OF GRAIN PLATFORMS AND
CORN HEADS TO FIT MOST COMBINES

PLOWS -AUTOMATIC

- IH 720 5x18 sp. reset
- IH 720 4x18 ~~SOLD~~ set
- IH 710 6x16 Spr. Reset
- IH 710 4x16 Spr. Reset
- JD 2500 5x18 Sp. Reset

PLOWS

- IH 140 4x16 roll over
- IH 3-4-5 base ~~SOLD~~ mtd.
- JD 3 base 3 pt.
- White 5x16 semi mtd.
- JD 4 & 5 Base Semi Mtd.

MISCELLANEOUS EQUIPMENT

- JD 350 Rake w/rubber mtd. teeth
- IH #55 7 tooth chisel plow
- Farmhand high lift loader, ~~SOLD~~ good
- JD 3 pt. Backhoe, very nice
- JD 1700 mulch tiller, 9 or 11 chisels
- JD 45 & 55 Quick Tach Feeder Houses, very good
- NH 489 Haybine, like new
- JD Hay Pickup w/Gauge Wheels
- MF 43 Corn Head, Late Style
- Gehl 99 Blower
- JD 1209 Mower Conditioner, (new & used)
- JD 1207 Mower Conditioner
- Servis 12' Rotary Mower
- Stan Hoist 4 Row Stalk Shredder
- JD cab fits 3010 thru 4020
- Ford Cab fits 5000 and 7000 all purpose tractors

HARVESTERS

- JD 3800 w/2RN Head &
Long Tongue
- NH 38 Flail Chopper, Ex.
Condition
- NH 890 w/2 RN Head
w/long tongue, electric
controls, very good

USED EQUIPMENT

Taylor-Way 14' Disc
NI 10 Ton Spreader
Ford #535 Mower Cond.
NH 358 Grinder Mixer
w/scales like new
IH 1150 Grinder Mixer
w/scales like new
14' Cultimulcher, Like
new

USED TRACTORS

AC 7000, low hrs.
AC 5050
Oliver 1600 Gas
w/loader
Oliver Super 55 Tractor
Ford 860
Case 2290, like new
Used Lawn & Garden
Tractors w/mowers

**NEW EQUIPMENT
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Many Models
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Spreaders

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Amco Disc
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JD 950 Tractor
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JD 714 Forage Boxes
JD 1075 Running Gears
JD 1209 Mower Con-
ditioner
Hesston 1014 Hyd. Swing
Conditioner
JD 1710 Mulch Tiller
Bush Hog 1432 10 1/2' Disc

USED EQUIPMENT

ACC & WC Tractors
Farmall MD, Super M
Tractors
JD B Tractor
JD 520 Tractor
JD 720 Tractor
JD 3010 RCU Tractor
Farmall Cub w/outfit
Cub Frt. Mtd. Blade
JD 494A Planter
IHC 315 Mulch Packer
IHC 540, 550 4B Plows
JD F125 6B Plow
Ferguson 2B Plow
JD AW Disc 12'
Woods Cadet 60 Pull
Type Mower
NH 6' Cutter
JD 507 Cutter
MF 41 Sickle Bar 3 pt.
Mower
Mayrath 40' Elevator
NI Hay Rakes on steel
Myers Snowblade
Valk ST80 Snowblade

USED COMBINES

JD 95 w/platform
JD 434 corn hd.
AC C2 w/platform
AC 4R corn hd.
JD 45 w/platform
Plus other new and used
equipment

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USED TRACTORS

- * JD 2240 w/145 loader
- * JD 4430 Cab, QR
- * IH Super AV w/cultivators
- * AC 190 XT Dsl.
- * AC 5040 Diesel
- * AC D17 W.F.E.

**USED HAY AND FORAGE
EQUIPMENT**

- * JD 336 Baler w/Kicker
- * JD 3800 Fg. Harvester w/2 row wide
corn head

USED TILLAGE

- * JD 7000 6R 30" Planter
- * JD 7000 6R 30" No-Till w/Dry Fert.
- * JD 1240 Plate Planter w/Fert., Insec-
ticide, Monitor
- * Oliver 10' Drill w/grass seed
- * JD 400 Rotary Hoe 20'
- * Oliver 10' Disc
- * JD 210 Disc 12' 10"
- * Brillion 16' Packer w/Transport
- * Ford 24' Disc

USED COMBINES

- * JD 7700 Hydro Rotary Screen
- * JD 16' Rigid Platform
- * JD 220 Flex Platform, like new

MISCELLANEOUS

- * 16.9x28 Duals
- * G.E. Electrack Mower
- * JD 214 14 h.p. Mower
- * JD 212 12 h.p. Mower
- * JD 57 Rider
- * AC B112 12 h.p. Mower
- * IH 154 Cub-Low Boy
- * JD Spitfire Snowmobile

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AM-FM, Very Sharp, 1480 Hrs.
NI 708 Diesel, hydro., cab & air
NI 737 huskers (1)
NI 738, 4R narrow corn head
NI 730 4R wide cornhead
NI 722 Sheller, 726 husking bed and 720 2 row
wide corn head, \$1200 or best offer.

JD 4000 D, wide front w/cab
JD 4020 D, w/cab, wide front, sharp
JD 4020 D, wide front, 38" rubber, real good
JD 4010 D, 38" rubber wide front
MF 300 combine, quick tach w/2 heads
JD 4320 w/factory cab, 38" rubber fully equipped
JD 4520, synchro. range, factory cab, quick hitch,
diff. lock, dual hyd., (also has 4620 after cooler
up date kit), clean

IH 786 1981 model, fully equipped w/only 100
hours, diff. lock and 38" rubber
IH 1466 factory cab & air, dual PTOs, 600 hrs. on
complete engine overhaul and TA
IH 1456 w/factory cab, very clean
IH 1456 w/cab, duals & weights, solid tractor
IH 1256, cab, dual PTOs & hydraulics, 38" rubber,
clean, tractor

IH 656 Diesel, real clean
IH 856 Diesel, wide front
IH 686 Diesel, 806 hrs., 1 owner tractor
IH 1206 w/cab and new TA, very clean
IH 706 Diesel, good tractor
IH 756 gas, real good tractor
IH M Farmall

IH 300 Farmall, gas w/fast hitch and power steering
IH 706 gas w/recent complete overhaul
IH 706 gas, WF, 3 pt.
IH & JD cabs (used)
Year round cab w/air fits IH 06 to 66 series tractors
Year round cab for JD

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AC 7040 PS, w/cab
AC 7020 PS, w/cab
AC 7000 D w/cab
AC 190XT D w/cab
AC WD45
AC WD
JD 4020 PS
JD 4020 D
JD 4010 D w/PS
JD 4010
JD 60
JD B
JD MT
IH 986 w/cab, air,
only 1400 hrs.,
EXCEL!

IH 460 D
Farmall 400
Ford 4000 D, lo hrs.
MF 50 D
Long 560 D, lo hrs.
MM G1000 D
Case 630 w/loader

FEED CARTS

(2) Weaverline 223 Elec. Feed
Cart, 24 BU.
(2) Weaverline 330 Elec. Feed
Cart, 30 BU., A-1!

TILLAGE

AC 2300 Disc Harrow-15' Fold
up
JD 13' Transport Disc
JD 11' Transport Disc
IH 13' Transport Disc
JD 10' Cultimulcher
AC 2000 5B Semi-mt. Plow
Oliver 6B Spring Trip Plow
(2) AC 80 Series 4B Mounted, 3-
pt. Plow
Brady 10 Tooth Chisel Plow,
w/gauge wheels, like new!
Vicon 14' Power Harrow, demo!

MANURE SPREADERS

(2) NI 218, 265 BU.
(2) NI 214, 206 BU.
(3) NI 213, 176 BU.
NH 676, 325 BU.
NH 516, 175 BU., 3 beater
NH 510, 160 BU.
NH 213, 140 BU.
Farmhand M165, 125 BU.
Badger BN240, 180 BU.
NH 365 Tank
(2) Hawk Bilt 207 Tank

COMBINES

Gleaner N5 w/15' floating grain &
630 corn heads.
Gleaner MKS w/13' grain & 630
corn heads.
Gleaner F2 Diesel w/cab, air, 13'
grain & 438 corn heads.
Gleaner K w/cab, 10' grain & 238
corn heads
Gleaner CII w/13' grain & 438
corn heads
Gleaner All w/cab & both heads
Gleaner All w/12' grain head
Gleaner E w/cab & both heads
JD 8820 w/950 hrs., cab, air &
heat, 15' floating grain, 830
corn heads, like NEW!
JD 55 Special w/cab, 12' grain &
330 corn heads
JD 55 w/12' grain & 338 corn
heads
JD 45 w/both heads
JD 45 w/grain head
MF 300 w/11' grain & 238 corn
heads.
IH 315 w/cab, grain & corn
heads.
NH 975 w/11' grain & 238 corn
heads.
NI Uni-System 702 w/717 com-
bine, 4-row corn head
NI 767 Chopper w/702, 2-row
corn head & 761 Pick up
Head

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USED TRACTORS

IH B
IH 826 w/ROPS
IH 656 Dsl.
IH 2500 Industrial w/Loader
IH 706
IH 200 Farmall
IH 756 Diesel

IH 806 w/new TA
IH 1066 w/cab, 2050 hrs
IH 504 w/NI Loader
IH Super A
IH 544D w/2000 Loader
IH 574D Tractor w/2000 Loader
JD 620

JD 70 Skid Loader, New Paint
#10 Hydra-Mac Skid Loader
1976 Chevy C60 Truck
Case 830
JD 4020 Tractor
Farmall M
IH 2050 Loader w/
Side Pump

TILLAGE EQUIPMENT

IH 350 Disc, 9' 10"
IH 710 4x16 Plow Reset
IH 720 5B 20" Plow
IH 700 5x16 reset Plow
Oliver 3x14 3 pt. Plow
Case 4x16 Reset Plow
JD 5x16 Reset Plow
JD 4x16 Reset Plow
Case 8' Disc Offset
IH 198 Disc
IH 9A 9' Disc
Kewanee 13' 6" Wheel Disc
Athens 7' Chisel Plow
Athens #131 13' Disc
Athens #131 11' 6" Disc
JD KBA 12' Disc
IH 350 Wheel Disc
IH 53 4 Row Cultivator
Niemeyer Power Harrow
JD 950 12' Packer Mulcher
IH 450 3x16 Plow
IH #55 13' Chisel Plow

HARVESTERS

Fox 2200 Harvester w/2 Row
Head
Fox 546 Fg. Harvester
Fox 249 Snapper Head
Fox 1000 Fg. Harvester
Fox 2RN Belt Corn Head
NH #818 Fg. Harvester
IH 555 Fg. Harvester
JD 38 w/2RW Head
JD 38 w/2RN Head

CORN PLANTERS

IH 56 4 Row W/N
IH 455 4R and 6R
IH 449 4R
IH 400 4R & 6R W/N
JD 1240 4 Row
Ferguson 2R 3 pt. Hitch
Ford 311 4R
White 5400 4R no-till liquid fert.,
insect boxes, markers, monitors
30"

**IRRIGATION PUMP
6"x5" 125 H.P.
w/Chrysler Motor****GRAIN DRILLS**

JD 13x7 Grain Drill IH 13x7 Grain Drill
JD 17x7 Grain Drill IH 510 13x7 Grain Drill,
Oliver 10x7 Grain Drill nice
Oliver 17x7 Grain Drill Tye No-Till 80" 3pt. Drill

HAY EQUIPMENT

IH 47 Baler w/Thrower
IH 440 Baler
IH 37 Baler w/thrower
IH 990 9' Windrower
IH 225 SP Windrower
IH 5000 Windrower
Hesston 320 AP 9' Windrower
Hesston PT10 Windrower
IH 990 7' Windrower
Case 555 Windrower
NH 27 Blower
IH 56 Blower
Fox Blower
NH #46 7' Mower
JD 3 pt. hitch 7' mower
JD 894 Rake

MISCELLANEOUS

OMC 540 Stacker
Jamesway 60' Belt Feeder
KW Loader for IH 284
Boyll 300 gal. Sprayer
Hesston #10 Stacker
Better Bilt 12' Manure Pump
Demco 500 gal. Sprayer
IH 1250 Grinder-Mixer
IH 1150 Grinder-Mixer
Zimmerman 40' Elevator
Zimmerman 36' Elevator
Mayrath 34' Elevator
Harson 200 gal. sprayer
Badger 24' Silo Unloader
Silo-Matic 24' Silo Unloader
NI 12' Fert. Spreader
Anderson Stone Picker

SPREADERS

NI 224 Manure Spreader
NI 218 Manure Spreader
NI 214 Manure Spreader
NI 213 Manure Spreader
NI 212 Manure Spreader
NI 206 gr. dr. Spreader
NI 12A Spreader
Badger 3000 gal. Liq. Tank
Badger 1000 gal. Vac. Tank
Hawk Bilt 357 Spreader
Hawk Bilt 205 Spreader
IH 595 Spreader
IH 575 Spreader
Clay 1500 gal. Manure Tank

NEW IDEA UNI EQUIPMENT

NI 708 Uni, less than 800 hrs
767 Super Chopper
768 3RWN Corn Head
NI 702 Dsl. Uni
840 Feeder House
818 Combine
767 Super Chopper
713S Platform
744N 4 Row Corn Head
844W 4 Row Corn Head
770 Ear corn Adaptor
710 Combine
324 Picker w/12 roll bed
NI #330 3RN picker

COMBINES

IH 915 Combine w/6R Corn Head
IH 715 Combine w/4R Corn Head
IH 205 Combine w/13' Platform
IH 843 4 Row N. Corn Head
IH 76 Combine
IH 303 Combine w/13' Platform
Oliver #40 Combine
JD 45 Combine

Coming in...

JD 3 pt. hitch 2 bottom plow
3 pt. hitch four ton winch

FARM EQUIPMENT

FARM EQUIPMENT

**Dismantling Combines for parts
over 200 all makes and models.
Call before you come.**

IH 64, 76, 80, 82, 125, 127, 141, 101, 151, 91, 93, 203, 303, 403, 503, 205 & 815. JD 12 A, 25, 30, 40, 45, 55, 95, 105. AC 60, 66, Gleaner A, C, CII, E or L. MF Clipper, 26, 27, 70, 80, 90, 72, 82, 92, 35, 300, 410 & 510. Oliver 33, 35, 40, 430, 525 & 545. Ford SP & pull. 701 NI Uni tractor, NI Uni - 705D (ear corn unit), combine & shellers, Case 800 & 660, 600.

COMBINES

E Gleaner, 3 row narrow corn head, cab, 10' grain head
IH 80 pull type auger feed, \$1500. Sharp
IH 205 w/10' grain head, 2R corn
IH 105, cab, grain & 2 row corn, \$2500
Gleaner A2 w/cab & grain head & corn head
NH 985 cab with quick-tach grain head
MF 300, cab, 13' grain head, 2 row corn head, \$3500

TRACTORS

Late Farmall H, good shape
IH 560, fully equipped AC C tires, like new
Late JD A w/hydraulics JD 60 w/live PTO, \$1050
IH 330 w/loader and power steering
IH Super M, \$950
VAC Case, 3 pt., hydraulics, \$750
Oliver 77 gas, \$675

TILLAGE

JD 1450 6 btm. 16" plow, \$1750

**DISMANTLING TRACTORS FOR PARTS
Harvesters and Corn Heads for Parts**

JD 2010, 70D, 4010, IH 560 D, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut., Supers C, H, & M. JD A, B, 50 & 60. AC WD, WC, D17. Oliver 70 & 77. Ford 8N, Ford 6000D. Case SC & V.A.C., DC. Massey 44D, 333, 30, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler. JD 70 G, Oliver crawler, 2 Oliver crawler loaders.

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10' transport roller harrow

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2 sets of 18x38 rear tractor, dual wheels
New Zimmerman 32' elevator, \$1450

#7 NI Picker
JD 4 row 30" corn head, fits 95 combine
IH loader for H or M, \$185

Sauder loader, \$100
3 pt. Hesston round bale mover, \$450

Dump trailer will haul 12 T shelled corn, suitable for tractors 100 HP or over
IH PTO spreader, \$375

JD 1450, 6 btm., 16" plow, on land hitch, \$1575

4 Wood Brothers corn pickers, \$250 to \$500

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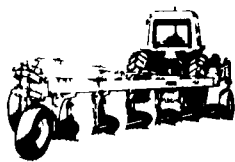
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3-Point, mounted with blower and distributor for feeding hay into a Mix Wagon with silage and grain for a TMR.

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3088 234 4WD
3288 244

NEW EQUIPMENT

McKee snowblower for a IH 184 & 154 tractors, **SPECIAL PRICE**
720 plow, 5-18
510 plow, 5-18
IH 475 disc, 11'6"
540 spreader
335 wagon
18' bale wagon
Morrison Grain Dryer
USED EQUIPMENT
IH 475 disc, 11'6"
IH 475 disc, 11'6"

USED TRACTORS

F 656 D
574 gas
9 N Ford, rebuilt

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MACHINERY**
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**SPERRY-NEW HOLLAND****TRACTORS**

Ford TW10, 1200 hrs. no cab
Ford 8000
Ford 1500 w/Ag-Tech Loader, 306 hrs.
Ford 8N
Ford 600
Ford 5000 w/602 Picker
Ford 445 Backhoe Loader
Ford 535 Tractor/Loader/Backhoe
Ford 4500 Backhoe Loader

Case DC
AC WD w/mid mount mower

AC D17
900 SOS Diesel
900 SOS Gas
OMC Skid Loader
Ford 340 Skid Loader

EQUIPMENT
IH 315 Combine 3 R Narrow Head & 11' Grain Head

IH 830 Fg. harvester, Corn & Hay Heads
JD 20' Harrow on wheels

IH #14 Rake
NH #258 Rake
NI & Farmhand Wheel Rakes

NI #270 Cut/ditioner
Bearcat #72 Flail Chopper

IH #27 Baler w/#10 Thrower
NH 1010 Bale Wagon
Lanco 14' Fg. Wagon 3 btr. Running gear & box.

Ford 9 tooth Soil Saver
NH 518 sgl. btr. spreader

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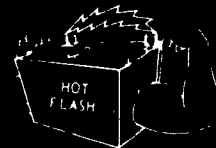
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JD 4010 tractor
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JD 4060 SG, PS
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JD 2950, SG
JD 2750
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JD 850

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NH 782 Fg. Harvester
JD 5440 SP Fg. Harvester, 4 WD, 1180 hrs.
JD 3940 & 3960 Fg. Harvester
JD 347 Baler
JD 327 Baler
JD 430 Baler
NH 311 & 316 Balers
NH 488, 495 & 1495 Haybines
NH 256 Rake
JD 670 Rake
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New Hay Tedders

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NEW SKID STEER LOADERS

NH 445, 555
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NEW SPREADERS

NH 519, 679, 791
NH 703 Slurry
Martin 2400 V Type & F1466 Scavengers
H&S 260 & 295 Spreaders

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JD 7000 6 Row Consv.

USED TRACTORS

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JD 3020
Farmall A w/Hyd. Lift
MF 265
MF 202

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JD 1240
JD 1260 w/monitor
JD 7000 6RN Cons.
JD 7000 6RN w/min. till attach.
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NH 479 Haybine
JD 2 Row Narrow Corn Heads
NH 2 Row W 880 Head
NH 269 Baler w/Thrower
NH 78 Baler
JD 24T Baler
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JD 790 Flail Spreader
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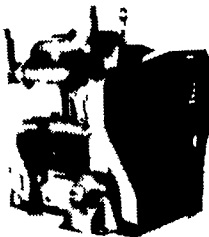
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Farmall 1466 w/Cab, Air, Duals
Farmall 966 w/Hinson Royal Guardian Cab, would separate
Farmall 806 Diesel
Farmall 706 Gas w/291 engine & new TA
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Uni 704 w/737 Husker, 740 Throat & 843 Corn Head

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SILOS & UNLOADERS

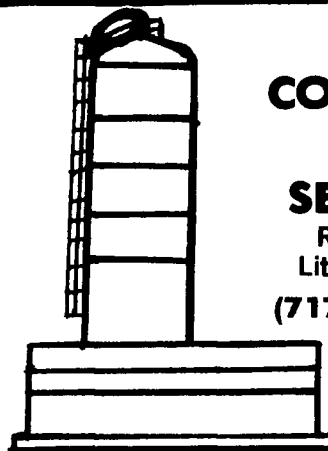
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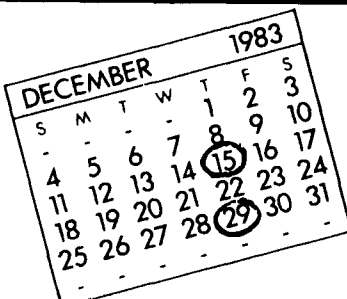
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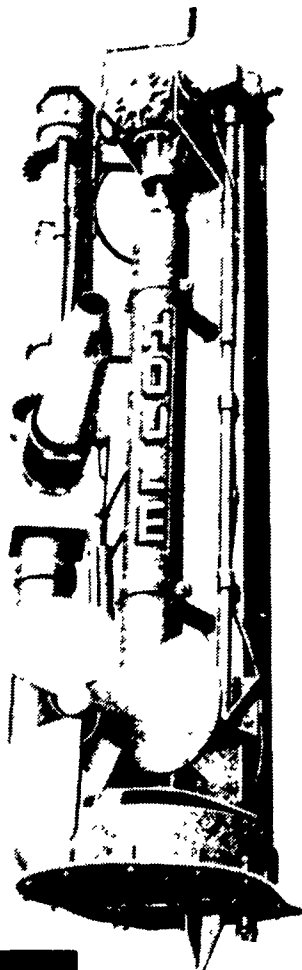
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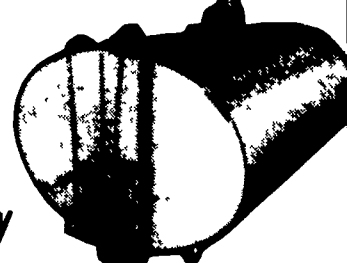
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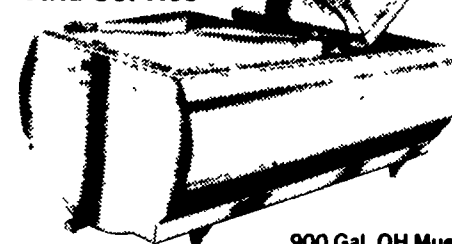
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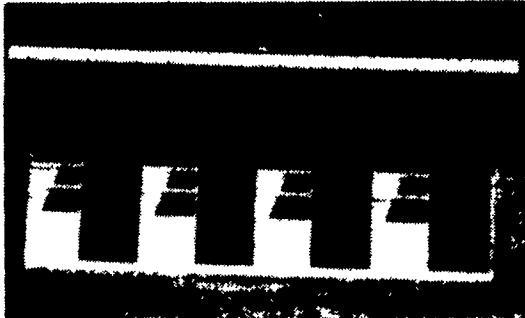
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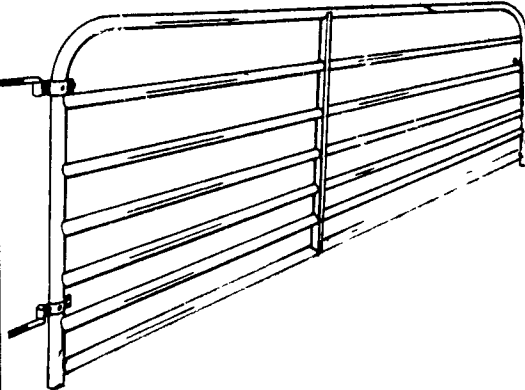
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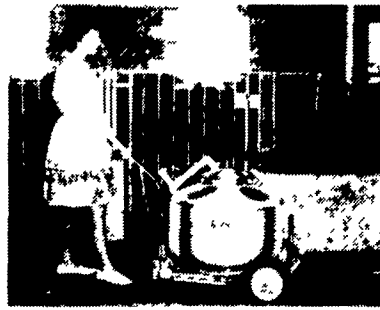
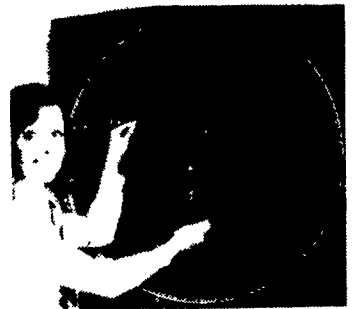
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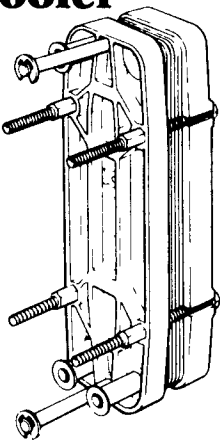
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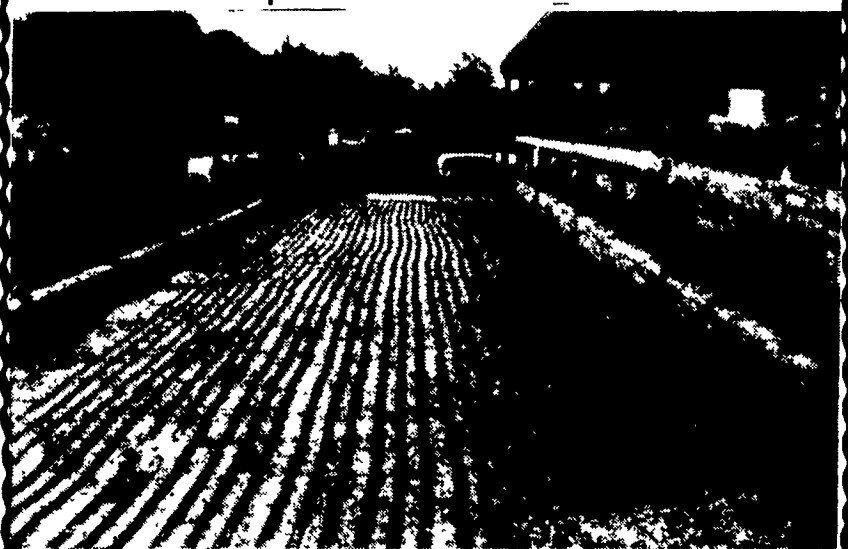
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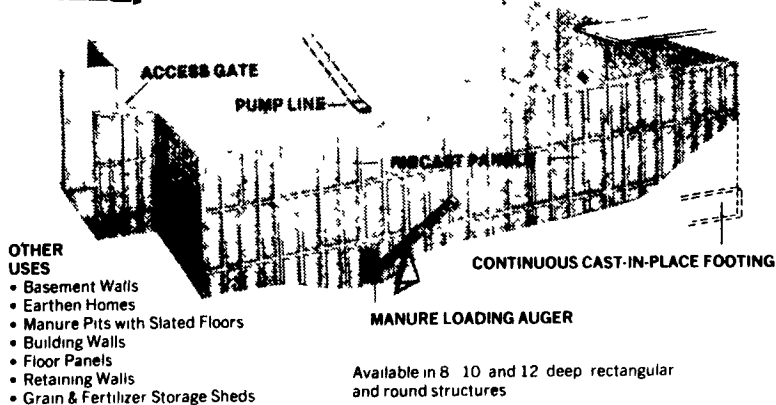
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LIVESTOCK EQUIPMENT & SUPPLIES

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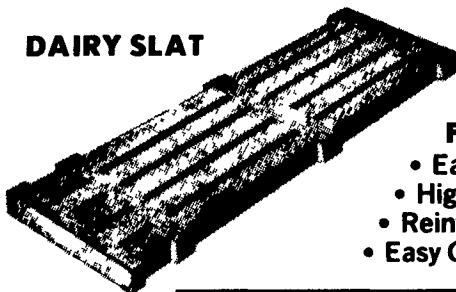
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for Dairy and Hogs

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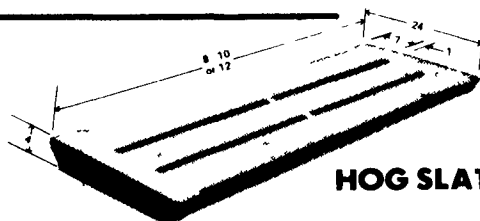
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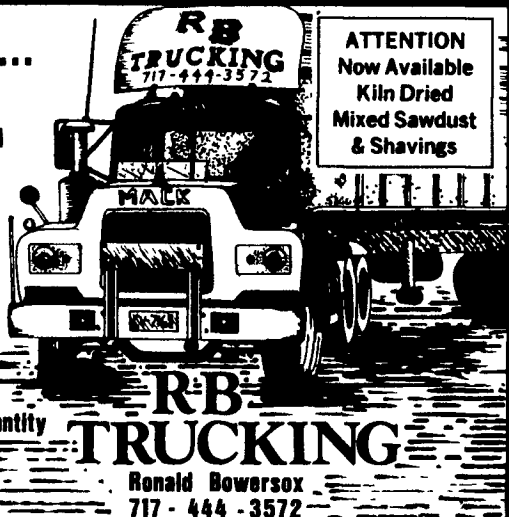
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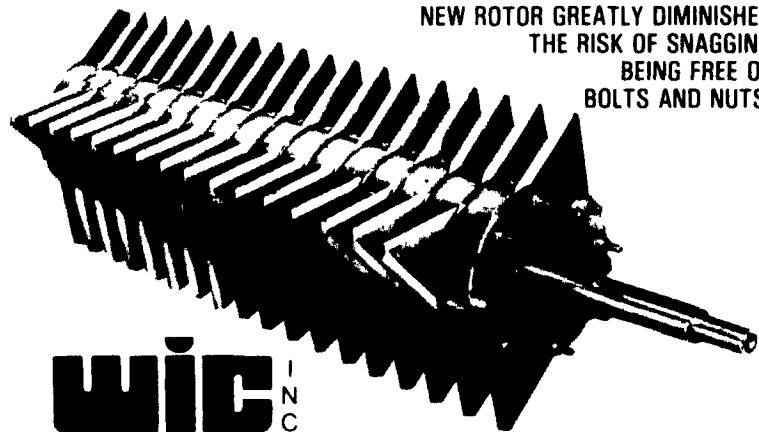
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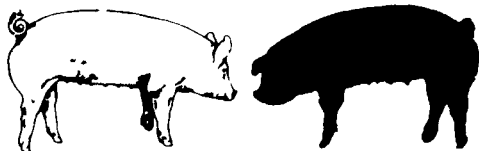
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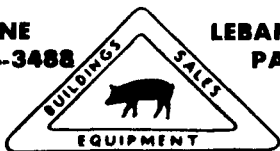
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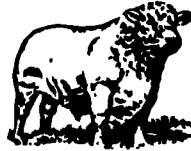
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Wanted: Puppies, all breeds. Jack's Dog Farm, Rt. 611 Pipersville, PA 18947. 215-766-8802

Wanted - puppies for pets. AKC, purebred and mixed litters. Will pick up locally. 717-442-4259.

Catahoula Leopard stock dogs, great dogs for family watch dogs, dairy and hog farms, natural heelers, all ages available, guaranteed satisfaction or money back. Thorpe Farms, Newtown, PA, 215-862-2650.

For Sale - Australian Shepherd puppies for Christmas, registered, excellent quality. 717-653-8054, 717-285-3208.

AKC Shetland Sheepdog pups. Located 1 mile east of Intercourse on 772. 717-768-8569.

Border Collie Pups; 8 wks., wormed. Working parents on 1200 ewe farm. Phone Cindy 301-356-6780 til 5 p.m. 301-879-9254 eves., Sun.

PETS

Australian cattle dog (blue heelers) puppies, purebred, excellent stock dog, good house or farm dog, will be ready for Christmas. \$50.00. 717-358-3129.

Border collie puppies, registered, excellent farm dogs. Deposit will hold your puppy until December 17th. Call 814-237-9219.

For Sale - Crossbred Australian Shepherd, Australian Blue Heeler pups. Both good working cattle dogs. 5 wks old \$10.00. Abner G. Stoltzfus, Box 220 Christiana Rd#1, Pa. 17509.

UKC Registered Toy Fox Terrier puppies. 215-445-7468 Lancaster County.

Coon hound pups, Bluetick Walker cross, born October 13. 609-386-4472.

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I need good healthy, clean pups, pure & cute mixed breeds, to 8 weeks old. Offering extra high cash prices. Baskets of cash waiting for you! Paying up to \$75 for extra cute mixed breeds.

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*** Please note - I need 300 puppies on Tues., Dec. 6, 1983. I especially need German Shepherds or German Shepherd look alikes.**

HOUSEHOLD GOODS

For Sale - Warm Morning model 400 A, good condition, \$450. Seven piece metal kitchen cabinets by piece or lot, 40" white Frigidare, good condition, \$35.00. Call 717-354-0030.

MISCELLANEOUS

For Sale - Green enamel paint \$9.00 per gallon; \$8.00 per gallon in lots of 100 gallons. 717-738-1121.

FOR SALE - New and used automatic washers, dryers, gas and electric refrigerators, ranges, used wringer-engine washers, new bedroom furniture. Open 7:30 to 4:30; Saturday, 7:30 to 12:00; evenings by appointment. Myer's Washer-Dryer, Rt. 772, between Brownstown and Leola. 717-656-7169

2" new boiler flue pipe, exc. for gates or fencing. 717-872-9152 days, 872-2579 eves. and weekends.

One hive or 50, some with honey crop. Call 301-838-7648.

Bought and sold new and used cardboard boxes; drums, plastic scrap. Reliable Recyclers, 114 S. Maple Avenue, Leola, PA 17540, 717-656-4211.

NOTICE: Lose 10-29 pounds a month. 100% guaranteed. Call your Herbalife distributor, 717-866-4298 concerning 30 day supply.

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MISCELLANEOUS

30 ton hydraulic shop press w/removable jack, 2 ton hydraulic lift w/long arm on casters, metal cutting bandsaw, all brand new w/warranty. John S. Stoltzfus, 54A Old Leacock Rd., Ronks, PA 17572. 1/2 mile north of Gordonville.

Wanted - Used single or double ratchet fruit press. Write, describe condition. W. Van Engel, P.O. Box 223, Gloucester Point, VA. 23062.

Coleman shop heater w/275 gal. oil tank, 55,000 BTUs per hour. 717-569-0022.

1"x2" mesh, wire sheets, 4 1/2' wide, 10' long, 14 gauge, \$2.30 per sheet. 717-354-9840.

For Sale - 2 40' closed top vans. Excellent for storage, \$500 each or best offer. 717-867-2212, ask for Stan or Jim Daub.

Ultra-Violet Sterilizer. Large size capacity for big farm or business - 50 g.p.m., 2" Pipe \$1,150.00 Don Upperman, Franklin Co. 717-264-6007.

For Sale - 6000 gallon steel fuel tank w/electric service station type pump, excellent condition, \$1500 for both. Phone York 717-843-2222.

Express wagons, excellent gifts, \$48 and up, air tired with racks 125.00, tandem axle 180.00; also hydraulics, log splitters, cylinder valves, pumps, etc., Lancaster Co., 215-267-3054.

Small radiator for Hot water heat system. Approx. 32" long, 22" high and 13" deep. Make offer! Call Lititz, 717-626-8078 after 3:30 or weekends.

7' Myers snow plow with all attachments; Saw buck powered by 4 cylinder Wisconsin engine. Phone after 7 PM. 717-374-8965.

Wanted - 36 or bigger commercial cider press, working condition, 814-839-4141 or 839-2918.

MISCELLANEOUS

Power Meat Saws. Also, Butchering Equipment and Supplies. P.J. Dantro and Company 1905 West Philadelphia Street, York, Pa. 17404. 717-843-6922.

451 Detroit diesel engine recently rebuilt. Best offer. Phone 215-286-9797 or 856-7758.

Snowmobile trailer, feed cart, poultry fountains, Cheviot sheep, Buffcochin banties. 717-733-8770. Lancaster County.

Diesel Engine Hercules, good running air compressor, clutch pulley and 275 g tank \$1,500. Steam engine, steam boiler. 215-484-2468.

For Sale - Steel tank, 7'x24'x1/4", painted, suitable for culvert or bridge. 717-367-4797.

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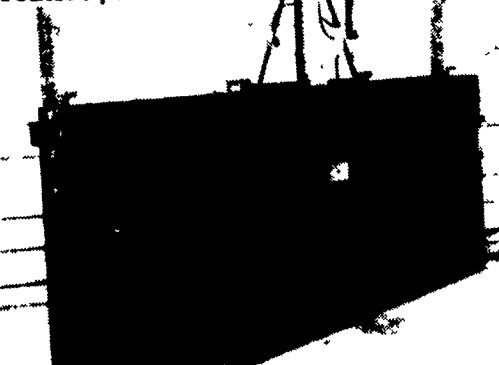
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A baling box machine should be used which puts up tobacco in 12"x22" bales and weigh 55 to 65 lbs. This size is very important for marketing in Southern auctions. Also lower moisture in this type tobacco is required by the Southern buyers. Cotton twine must be used to tie bales. Proper processing is important. For more information on the three-bin tobacco press call Lancaster Silo Co., Lancaster, PA 717-299-3721. Ask for Paul or Dave.

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Bale Unit - Less Operating Cylinder

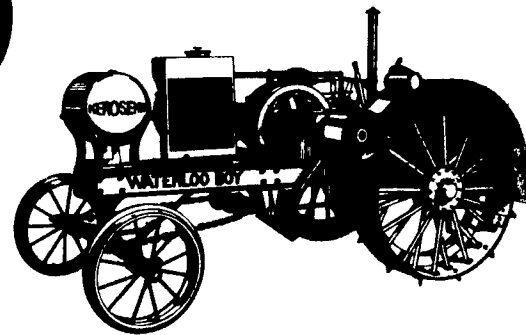
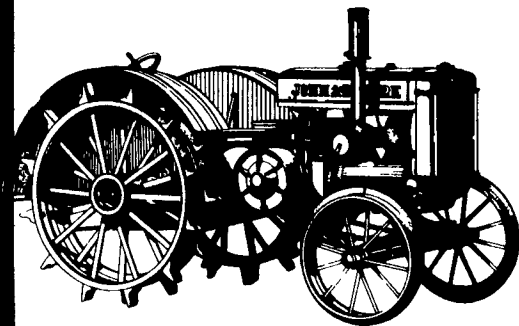
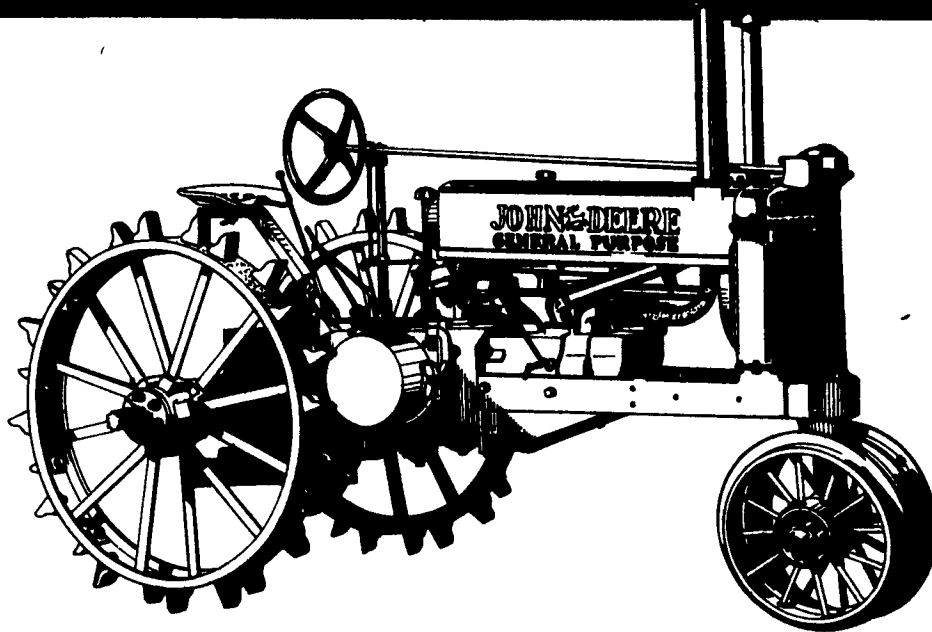
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Bale Unit - With Manual Press

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Bale Unit - With Cylinder Press

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WHEN DO YOU GET THE MOST FOR YOUR MONEY?

When you go to buy farm machinery, you are probably interested in getting the most for your money.

What are the main factors you consider in determining which grade of equipment is the most economical to buy?

It will pay any farmer to apply these tests:

FIRST TEST. Think back over your experience in buying goods and, from your memory, dig up the poorest purchase you ever made.

Was it a high-grade article at a fair price, or was it some imagined bargain, bought because it was sold at a low price?

How about that cheap suit which became shabby after a short period of wear, or that cheap pocket knife which never kept a good edge; or that cheap plow which never worked right?

Did you get the most for your money when you made that purchase?

SECOND TEST. List all the machines on your farm that are in good working order.

How long have they been used?

Place fair values on these implements at, say, approximately what they would bring at a farm sale. Subtract the present values from the original prices, and then divide by the number of years of service. That gives you the price per year of use.

Which makes the better showing in price per year of use — the high-grade or the low-grade machinery? And which has earned the most for you since you bought it?

THIRD TEST. Check up the upkeep cost of high-grade implements as against cheap ones. Remember, the ultimate cost is the purchase price, plus the upkeep cost, spread over the life of the machine. Cheap machines are not very cheap to keep in good running order.

FOURTH TEST. Go to any farm sale and jot down the prices received.

Which brings out the most spirited bidding, the cheaply-made equipment or the equipment made by a well-established firm, which has a reputation for quality — the equipment which farmers of the community KNOW is good?

Ask the auctioneers of your community about their views on high-grade and cheap farm equipment, from the public-sale angle.

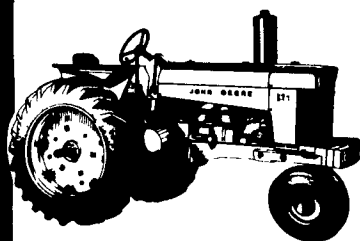
FIFTH TEST. Make inquiries as to the quality of work. See if you can find much pride of ownership in cheap goods. Ascertain the real satisfaction users have had from high-grade implements as compared to cheap tools.

SIXTH TEST. What is your experience in repair service on high-grade implements made and backed by a strong, successful firm, in contrast with what you have seen of repair service by manufacturers who feature low-priced goods? Would you care to buy an "orphan" implement or one that is likely to be "orphanized" within the next few years, due to the financial weakness of its manufacturer? What does PROMPT and PERMANENT repair service mean to you?

The John Deere organization takes pride in being a builder of quality farm equipment. We are not interested in making our goods poorer, but in making the kind that serves the farmer best. We do not skimp on weight, quality of materials, finish or workmanship. Measured by efficiency, long life, low upkeep expense, and all-around satisfaction to the users, John Deere farm equipment costs the least — gives you the most for your money.

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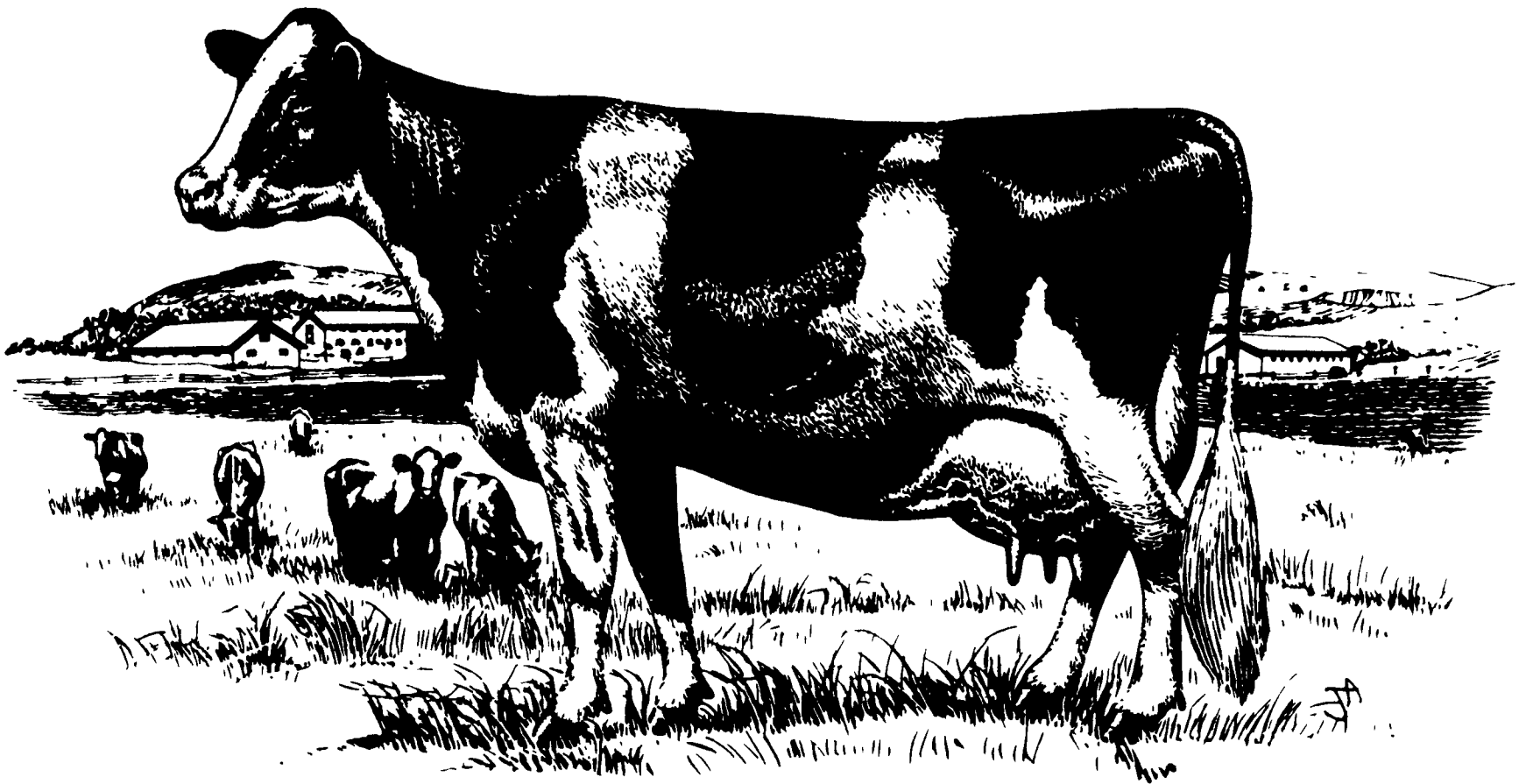
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Improving services key topic at LMA's 1984 meeting

KANSAS CITY, Mo. — Why livestock producers and feeders choose one marketing method over another and how a marketing business can improve its customer services, will be key topics at the 1984 annual meeting of Livestock Marketing Association (LMA).

LMA's members from across the United States and Canada will be gathering here Jan. 19 - 21 for the meeting. The program sessions, LMA president John E. Hawkins said, "are geared to the day-to-day concerns of running a marketing business."

"During a 'Customer Roundtable' session, we'll gather a panel of livestock producers and feeders to tell our members what the customer wants in the way of marketing services. Panel members will also tell us what they like and dislike in marketing methods, and why they choose the

method they do."

In addition to sharpening their skills at serving their customers, the marketing businessmen and women will hear a forecast on the general business climate for 1984 along with the outlook for agriculture.

Dr. Sheldon Stahl, senior advisor for economics with the Midwest Research Institute, and a former vice president of the Kansas City Federal Reserve Bank, will discuss the general outlook for business in 1984.

Marvin R. Duncan, vice president and economist with the Kansas City Federal Reserve Bank, will analyze how the general outlook will affect agriculture. Duncan is widely known in the Midwest as an observer and analyst of agricultural issues.

Other meeting topics will include:

— The outlook for livestock and meat — including consumer demand, livestock numbers, production costs and prices.

— Legislative and regulatory update — an analysis of the status of current issues in these areas affecting the marketing sector, including animal health matters, and legislation dealing with the "mortgaged livestock" question.

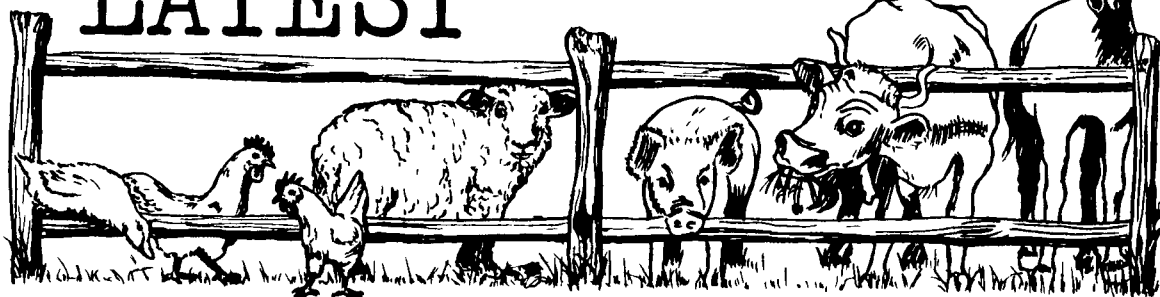
— Strategic management for marketing businesses — the national, regional and trade area trends a marketing business should monitor, and how to stay in touch with them. How these trends affect a marketing business' financial, facility and services decisions will also be discussed.

Kansas City's Hyatt Regency Hotel will be the site of the

meetings, which will also include the installation of LMA's 1984 officers and directors. The trade association's allied and subsidiary organizations will also hold meetings.

LMA provides representation and commercial services to some 1,200 marketing businesses of all types across the U.S. and in Canada.

LIVESTOCK LATEST



New York cattleman establishes Salers herd

LOCKE, NY. — William O'Connor of Cel-O-Lok Farm, Locke, has a strong belief in the Salers cattle breed and has established the first herd in New York state.

O'Connor's herd of cattle numbers 45 cows, and he is building towards a herd of all registered Salers. The herd sire is Jet Star, son of Jet.

O'Connor recently added new blood to his herd with the purchase of a bred heifer, Miss DVC 210 N 11775, a three-quarters granddaughter of Jet, at the Lazy L-5 Ranch Maximum Opportunity Sale, Creston, Iowa.

Known as the "rugged and red" cattle breed, O'Connors sells both breeding stock and semen and

says, "Salers bulls are fertile, aggressive breeders."

A Salers bull from the Cel-O-Lok farm is on the 1983-1984 New York Bull Test program, and this is the second time O'Connor has enrolled a Salers bull on the state performance testing program.

O'Connor encourages the use of Salers in commercial crossbreeding programs saying, "you can add length, height and extra pounds to your calves by using Salers bulls."

The Salers breed was brought to the United States from France about 10 years ago. A new breed in the northeast, O'Connor hopes to develop an organization of Salers breeders in the east in order to promote the breed in this part of the country.

Pa. breeders among Holiday Sale cosignors

ITHACA, N.Y. — Three Pennsylvania beef cattle producers are among the cosignors to the Holiday Heifer Sale Dec. 3 at Ithaca. They are JDH Polled Herefords, Dover, Terry Shearer, Abbottstown, and Spring Bottom Farm, Fairfield.

The sale will feature registered heifer calves but will also include open and bred heifers. An added attraction will be a select group of steer calves offered for 4-H projects or Meat Show prospects. At least one such steer calf purchased at the 1982 Fall Heifer Sale was a county fair champion.

The sale is jointly sponsored by the New York Hereford Association and the New York Polled Hereford Association.

"It provides a source of

dependable seedstock with genetic traits for profit making," said Robert Generaux of Canandaigua, co-chairman of the sale. "This annual sale is also an excellent marketplace for the established breeder who wishes to upgrade his herd or add a new bloodline."

All of the heifer consignments will have been born between March 1, 1982 and May 31, 1983. They will be weighed and frame scored the day of the sale. Minimum frame scores for the females in the sale and minimum weights for the steers have been established, explained Raymond Clark of Clinton, co-chairman of the sale.

Working with Generaux and Clark are Ted Kriese of Cato and Montie Soules of Millbrook.

Veteran auctioneer "Red" Shaw will "cry" the sale. A promotional campaign for this Holiday Heifer Sale is being conducted by the sale committee in order to promote the breed and the sponsoring organizations and also to reach as many potential buyers as possible.

The Ramada Inn at Ithaca will serve as sale headquarters and the New York Hereford Association will hold its annual meeting there at 7:30 p.m. Dec. 2.

The New York Junior Hereford Association will be in charge of the lunch counter on sale day.

Additional information and sale catalogs may be obtained from Robert Generaux, Rt. 9, 3372 County Rd. 18, Canandaigua, N.Y. 14424 or from Raymond Clark, Box 123, Clinton, N.Y. 13323.

Livestock Ledger

By

Chester D. Hughes

Extension Livestock Specialist



Recently, I have received several calls from swine producers with concerns relating to ventilation, remodeling and construction in swine housing. Unfortunately, due to the recent Avian Influenza outbreak, farm visits have been cancelled to avoid the possibility of the unnecessary spread of the virus. Hopefully in the near future these visits can be made in order to assist swine producers with their needs. I urge anyone needing assistance to please call the Extension Office.

As cooler temperatures approach, remember to maintain warm floor temperatures for young pigs. Young pigs exposed to cold stress are more susceptible to scouring and respiratory problems. It may be necessary to use rubber pads or wooden pads over slats, heating mats, heat lamps, or gas heaters to prevent chilling. Hoovers and raised crates or decks have been useful in preventing chilling of pigs in many cases.

Chilled pigs that develop respiratory or scour problems are likely to have a high death rate, but they are generally very slow growers and inefficient converters of feed to body weight.

Today, with high feed costs and low hog prices, now is the time to improve the efficiency of your operation. Cull sows that are in the

bottom one-third to one-half of your sow herd. Poor producing sows cost as much to keep per year as good producers and they return you fewer and lighter pigs. With \$180 per ton feed, the feed cost per pig produced to \$3.86 higher per for pigs produced by a sow weaning 13 pigs per year than for pigs produced by a sow weaning 18 pigs per year.

Sows that do not readily recycle and settle easily should be culled. Every day a sow is open, she is consuming about 40 cents worth of feed that must be charged up against the pigs that she produces.

Pigs should be marketed at light market weights. Heavy pigs are inefficient converters of feed to body weight gain. Hogs should be marketed at the lightest possible market weight that they will not be docked for being underweight.

Keep an eye out for good buys in alternative feedstuffs. With corn at \$3.70 per bushel and soybean meal at \$300 per ton, barley is worth \$5.61 per cwt., wheat is worth \$6.00 per cwt. and milo is valued at \$6.50 per cwt. as a corn substitute in a supplement program. Producers using a base mix program can utilize the full protein value of these thus in a base mix program barley, wheat, and milo are worth \$6.03 per cwt., \$6.81 per cwt., and \$6.53 per cwt., respectively.

ST. JOSEPH, Mo. — An informal group of Angus breeders is collecting money to help promote participation in the steer show at the 1984 National Junior Angus Show in Columbus, Ohio.

The 1984 National Junior Show will be the first ever to include a purebred Angus steer show. The Angus Steer Boosters are breeders who want to see a large entry of top quality Angus steers at this event, and are backing that desire with cash.

Donations of \$50 per person are being solicited by the group headed by Loren Schlipf of El Paso, Illinois. The donation checks, made out to the American Angus Association and marked "Angus Steer Boosters", may be sent to the director of junior activities, American Angus Association, 3301 Frederick, St. Joseph, MO 64501. A list of donors will be published in the Angus Journal.

The Angus Steer Boosters believe that the added premium money will encourage many young people to bring steers to Columbus. The effect, they say, will be twofold. First, it will increase demand for high quality Angus male calves, and second it will help demonstrate the superiority of Angus steer carcasses.

The terminal show will place 60 percent of the emphasis on carcass

quality and desirability, with the carcasses being evaluated by Dr. Bob Van Stavern, who has been a consultant on the Association's Certified Angus Beef Program, and Dr. Randy Reed, both of Ohio State University.

The on-hoof portion of the steer

show will be held on Sunday, July 8, at the National Junior Show in Columbus. The steers will be slaughtered on Monday, with the results announced on Tuesday, July 10, just prior to the selection of the grand champion heifer.

Yearling rams needed for test

UNIVERSITY PARK — The Sheep and Technical Committee for the Pa. Meat Animal Evaluation Center announced recently that it is seeking additional candidates for the 1984 Yearling Ram Test.

According to Ed Barben, acting director of the center, only 23 yearling rams had been nominated as of Nov. 23. Because of this

number, the committee decided that unless 45 or more rams are nominated, a Yearling Ram Test will not be conducted in 1984.

To allow for additional candidates, the nomination period has been extended until Dec. 7. For additional information, please contact Barben at the Meat Animal Evaluation Center, 661 Fox Hollow Road, State College, PA 16801, 814-238-2527.

LIVESTOCK LATEST



Polled Hereford Association elects directors

KANSAS, CITY, Mo. — Polled Hereford breeders George Wingert, Ottawa, Kan., and Dick Franck, co-owner of Wooden Shoe Farms, Othello, Wash., have been elected chairman and vice chairman, respectively, of the American Polled Hereford Association board of directors.

Wingert and Franck were elected during the 61st National Polled Hereford Convention-Show-Sale held at the North American International Livestock Exposition, Nov. 17-19, in Louisville, Ky. New directors assuming four-year terms on the board are James Bennett, Red House, Va., Phil Ellis, Chrisman, Ill., and Dick Snider, Clements, Calif.

Wingert, owner of Wingert Stock Farm, began breeding Polled Herefords in the mid-1970s and has developed the operation into better than 2,000 acres running around 300 registered Polled Hereford cows. Wingert and his wife, Jane, have four children, all of whom have been active in the cattle business.

He has spent more than 25 years

in the oil and farm implement business while maintaining an active interest in livestock. He graduated from Kansas State University in 1963 with a B.S. in agriculture and journalism. While at K-State he was active in the collegiate 4-H club, the livestock judging team and the meats judging team. Following graduation, he served in the U.S. Army Veterinarian Corps.

Since 1964 Wingert has been owner and president of Wingert Oil Co., the largest petroleum distributing company in Kansas, and has held offices in many professional societies and associations. From 1970 to 1978 he served in the Kansas House of Representatives, where he was involved in government organization and ways and means committees. He is a member of the Kansas Board of Regents and has held office in the Kansas Polled Hereford Association. He was elected to the APHA board in 1981, representing Polled Hereford breeders in Kansas and Oklahoma.

Franck and his partner Jack

Powell have been in the Polled Hereford business since 1969 when they bought a 500-acre farm on San Juan Island, off the Washington coast, where Franck was born. The farm included 200 Polled Hereford cows which became the basis of the Wooden Shoe Farms cow herd. He and Powell have been in business together for more than 30 years,

beginning with their partnership in Sound Oil Co. for Seattle.

Three years ago the operation was moved to the 450-acre farm in Othello, which supports the 250-head herd, in order to keep in closer touch with commercial cattlemen in the Northwest. Wooden Shoe was an owner of the now-deceased noted sire WSF PRL Justa Banner, grand champion at

the 53rd National Polled Hereford Show. An influential sire, he has more offspring registered than any other Polled Hereford bull.

Franck has lived in the coastal Washington area all his life, attending high school in Friday Harbor and graduating from the University of Washington. He and his wife, Nancy, have four children.

Rowan northeast Charolais fieldman

KANSAS CITY, Mo. — Kurt Rowan, 23, of Coin, Iowa, has joined the American-International Charolais Association and the Charolais Journal as a northeast representative.

Rowan will represent the AICA and Charolais Journal in Connecticut, Delaware, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, Virginia, West Virginia and Wisconsin.

Rowan graduated from Northwest Missouri State University in Maryville, Mo., in May 1983 with a bachelor's degree in animal science.

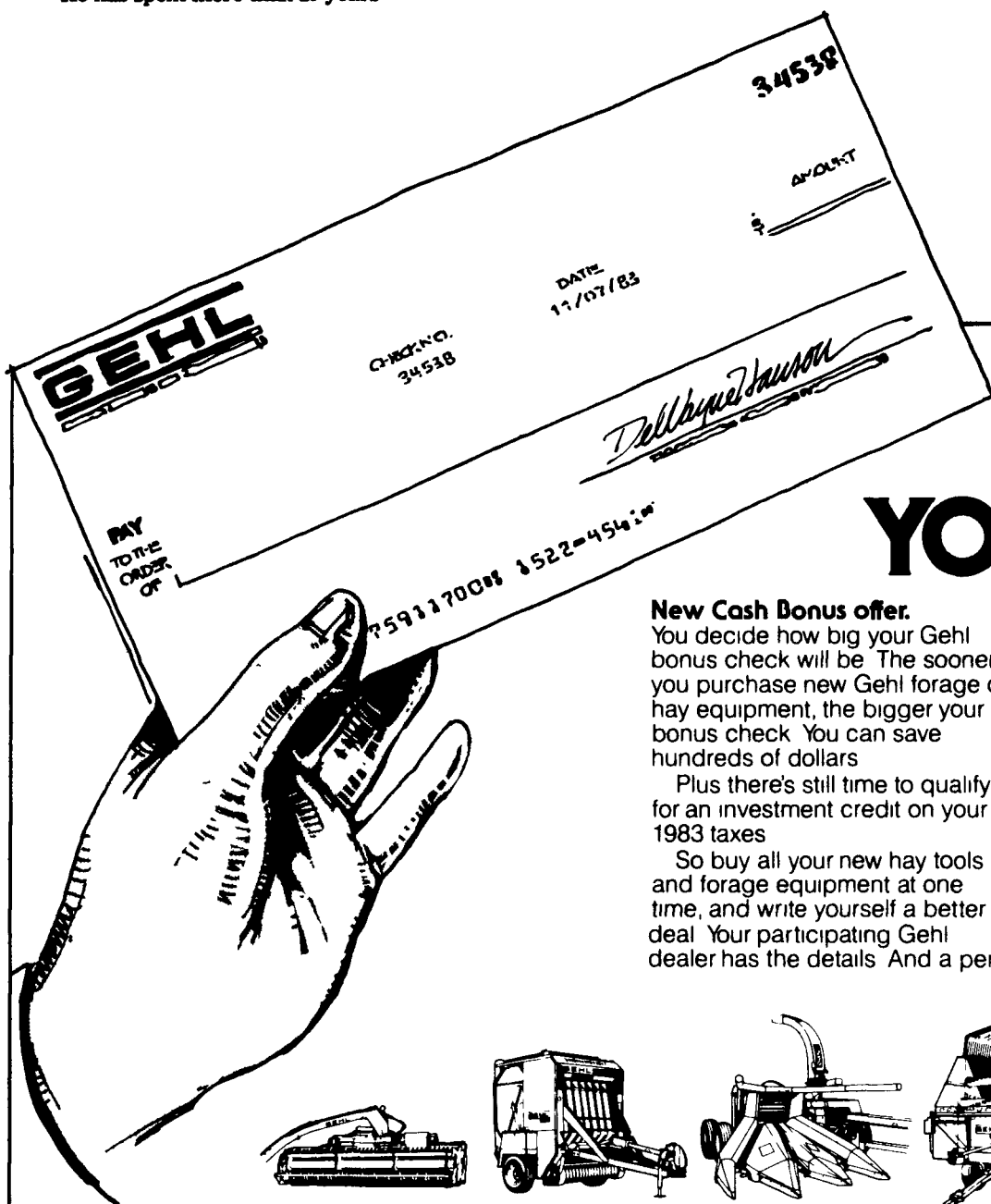
While attending Northwest, Rowan participated in Ag Club, Delta Tau Alpha, an honorary agricultural fraternity, and was a member of the Northwest livestock judging farm.

Rowan was raised in Coin, Iowa, on the family farm and helped his father with their registered Simmental herd. This past sum-

mer, he worked at home on the farm and assisted local cattlemen with artificial insemination.

As an area representative, Rowan will be responsible for supplying news items from his territory to the Charolais Journal, representing the magazine and AICA at shows, field days, meetings and other Charolais events, and assisting in general breed promotion.

Rowan can be reached at the AICA office, P.O. Box 20247, Kansas City, Mo., 64195, or by telephone at 816/891-6432.



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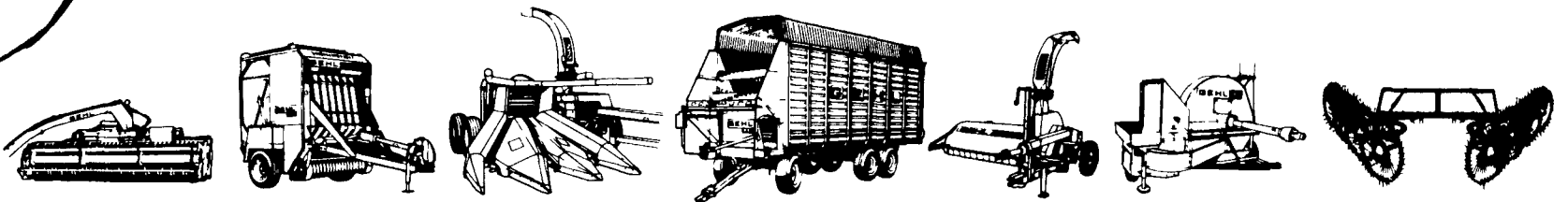
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Tips on selecting cattle

CLAY CENTER, Neb. — Cattle breeders who select stock on the basis of both the yearling weight and muscling score of their ancestors may find that those animals grow more rapidly with less feed per pound of gain than cattle from ancestors selected for yearling weight alone.

In an 18-year study on Hereford cattle, the weight (at slaughter) of steers from a fast-growing line has generally increased. These steers weigh 100 pounds more than control animals of the same slaughter age, according to University of Nebraska geneticist Robert M. Koch at the Roman L. Hruska U.S. Meat Animal Research Center, Clay Center, Nebr.

The yearling weights in the study were actually 424-day standardized weights for bulls and 500-day standardized weights for heifers. Muscling score is a visual appraisal of the thickness of muscles in relation to length of bones.

In order to determine the benefit of selecting stock for fast growth at any age, Koch and his team established another breeding line from the same foundation cattle. This line was selected for weaning weights standardized at 200 days with adjustments for age of the dams.

"We found that progress in selecting for growth at any of the different stages resulted in increased growth at the other stages," says ARS research leader Larry V. Cundiff. "Growth during the postweaning period was more highly heritable than growth to weaning."

The researchers constituted the



control line in 1971 from the 225 foundation cows and semen from the same foundation sires that were used to begin the study in the early 1960's at the University of Nebraska's Fort Robinson Beef

Cattle Research Station.

The average interval between generations of cattle in the project was 4.4 years. This short interval helped speed selection progress, says Koch.



SIMMENTAL

Simmental sire summary released

BOZEMAN, MT. — The American Simmental Association has released its 1984 National Simmental Sire Summary with information based upon performance based upon performance records accumulated by the Association since it was established in 1968, said ASA executive vice president Earl B. Peterson.

"Nearly one million progeny records are available for evaluation, making the 1984 edition an up-to-date, highly accurate measurement of the American Simmental Association," Peterson said. "These records are supplied by more than 17,000 individual beef producers who have become life members of this Association."

Progeny data is consolidated from computerized performance records on an annual basis. Breed-wide comparisons of sires are tabulated and reported in 12 economic traits, effecting growth, maternal, and carcass characteristics.

Data is listed in the 1984 Sire Summary in at least one trait for 1,426 purebred bulls. Only those sires with 20 or more progeny in at least one trait are printed in the Summary. However, calving performance records from more than 6,000 purebred bulls was

evaluated and used in the comparison. One year ago, 4,600 calving performance records were considered, a direct reflection of the continued growth of the breed in the U.S.

A key feature of the ASA performance program is free calculation of records for members and non-members alike, when either the sire or dam is a registered Simmental. Thus, a commercial producer may obtain cost-free performance calculations by using a registered Simmental bull and submitting the data.

"A shortened edition of the new Sire Summary was also produced this year," Peterson said. "We've had numerous requests from universities, county agents, vo-ag instructors and others for Summaries. We have produced the Educational Version, which includes all informational pages and a sampling of data pages, which we'll provide within reasonable numbers, upon request."

All active ASA members automatically receive their free copy of the National Simmental Sire Summary. Non-members may obtain copies by mailing a \$5 check for each copy requested to the American Simmental Association, One Simmental Way, Bozeman, MT 59715.



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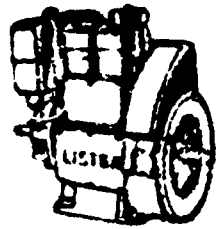
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Examine alternative dairy cattle feed

NEWARK, Del. — Potential forage shortages this winter as a result of last summer's drought have many dairy farmers wondering about economical feed alternatives. University of Delaware extension dairy specialist George Haenlein says there are several possible choices including wet brewers' grain, wet corn gluten, corn stalks, drought-stressed corn silage, alfalfa pellets and cubes, urea, liquid whey or even treated straw.

Following are some factors to consider when deciding whether to use one of these as dairy feed.

Wet Brewers' Grain is a good possibility. Cows can be fed 30 to 40 pounds per day, or 25 percent of their total ration dry matter. If corn is worth \$7 per 100 pounds and 49% soybean oil meal is worth \$14 per 100 pounds, wet brewers' grain at 80% moisture is worth \$39 a ton. "Be sure to use it up before mold develops and palatability drops, however. Usually it keeps well one week," Haenlein says.

Wet Corn Gluten can be fed at the same rate as wet brewers' grain. Watch prices to be sure wet feeds are a good buy. Check dry matter levels in wet feed.

Corn Stalks are an effective forage stretcher, but only for low producing cows, dry cows and older heifers, the specialist says. However, a sound mineral and vitamin program is necessary. If stalks are harvested immediately

after the combine or picker has gone through the field, moisture levels may be adequate for ensiling. Low calcium and energy levels of this feed can be pluses in a dry cow program. However, stalks must be free of soil in order to be palatable.

Drought-Stressed Corn contains 75 to 95 percent of the energy of normal corn silage, while its protein content may be proportionally higher. Test it for correct ration balancing of energy and protein needs.

Alfalfa Pellets and Cubes can replace half of the forage dry matter if the remaining forage is long enough, Haenlein says. Secure a guaranteed protein and fiber analysis to determine pellet quality. Also compare the price of pellets or cubes with current hay prices. Some alfalfa pellets may even substitute for grain. Usually they are an excellent feed for high producing cows.

Urea can be used to cut the protein bill for older heifers, dry cows and low producers. Feed a maximum of 0.4 pound of urea per adult animal per day. This can replace one pound of 48% soybean oil meal. Don't feed urea to high producing cows because of a possible drop in feed intake and milk production. Always adapt animals to urea very gradually over several days or possibly weeks, the specialist advises.

Liquid Whey is another good

alternative, he says. But it is low in dry matter, which increases the nutrient cost per pound if delivery costs must be considered. Cows may drink 100 to 200 pounds of liquid whey a day, which contains 6 to 12 pounds of dry matter. Liquid whey must be readily available, fed fresh each day and gradually introduced into the diet. It is relatively high in protein, sugar and minerals.

Straw is also a possibility, but it is low in feed value and digestibility unless treated with anhydrous ammonia to break down the lignin barriers to cellulose. Otherwise it is mainly used as a bulk and fiber source in dairy rations. Treating big straw bales with ammonia inside plastic bags is a popular practice in Norway, yielding palatable feed with a nutritive value close to hay, Haenlein says.

Besides looking at alternative feeds, he suggests dairy farmers take care to use existing feed supplies correctly.

Test forages routinely.

Balance and reevaluate cow and heifer rations routinely.

Challenge-feed cows that are producing the most milk.

Make sure good cows in early lactation are not underfed.

Consider bulk purchases of grain and commercial supplements.

Lock in prices on commercial supplements, if possible and economical.

Shop around for good buys.

Calculate cost per unit of nutrient when comparing feeds.

Conduct an inventory to determine if you have enough feed on hand to meet herd needs over the winter.

Cull marginal cows and heifers, using DHI records.

Dairy and other livestock producers who wish to learn more about feed management are en-

couraged to attend the winter forage meeting of the newly organized Maryland-Delaware Forage Council, Friday, Dec. 9, from 9 a.m. to 2:30 p.m. at the Hartly Fire Hall in Hartly, Delaware. Advance reservations can be made for \$6 through county extension offices in Delaware and Maryland. Registration at the door will cost \$7. A buffet lunch will be served at noon.

Barley is valuable feed

NEWARK, Del. — High corn prices have many dairy farmers looking for alternative energy sources for their herds. Barley is often a good, cheap source, says University of Delaware extension dairy specialist George Haenlein.

Although its total daily nutrient level is slightly lower than shelled corn (83 percent versus 88 percent on a dry matter basis), barley's protein content is slightly higher (13 percent versus 10 percent). Both corn and barley normally are priced on a volume basis, which makes them hard to compare since a bushel of shelled corn weighs 56 pounds and a bushel of barley weighs 48 pounds.

Using the following equation, Haenlein says producers can estimate what barley is worth relative to shelled corn and 44%

soybean meal:

Barley (\$/T) = (\$/T) × .908

[Soybean meal (\$/T) × .093]

At \$110 a ton for corn and \$220 a ton for soybean meal, barley would be a good buy at \$120 a ton or lower, the specialist says. In most cases barley costs less than this. If economical, it can be used to replace corn partly or totally. Some adjustment would have to be made for barley's slightly lower energy value, however.

High moisture barley is similar in feed value to high moisture corn. It should be about 28 percent moisture when ensiled. Make sure it is crushed or adequately rolled before feeding. Ideally, whole barley should be stored only in a limited oxygen silo, the specialist says.

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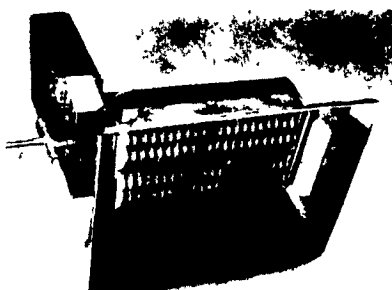
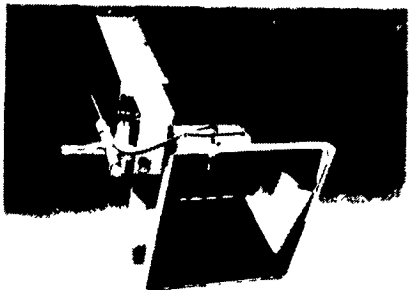
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Dairy bauxite exchange

KINGSTON, Jamaica — The United States and Jamaica have signed a barter agreement for the exchange of \$13.6 million worth of U.S. dairy products for Jamaican bauxite of an equal value.

This marks the second such agreement between the two countries since February, 1982, when \$13 million worth of dairy products and bauxite were exchanged.

Under the new agreement, the United States will exchange 11,340 tons of nonfat dry milk and 2,855 tons of butteroil for 400,000 tons of bauxite, according to Melvin E. Sims, general sales manager and associate administrator of the U.S. Department

of Agriculture's Foreign Agricultural Service.

Sims said the agreement will benefit both countries. "It provides an outlet for U.S. government-owned dairy products and contributes to our national defense posture while contributing to Jamaica's strategy of relying on production and exports to fuel its economic recovery," he said.

Bauxite is the basic raw material used to produce aluminum, a significant component in military weapons and aerospace systems.

Delivery terms for the dairy products are free along side (f.a.s.) U.S. Gulf ports; the delivery period is through September 1984.

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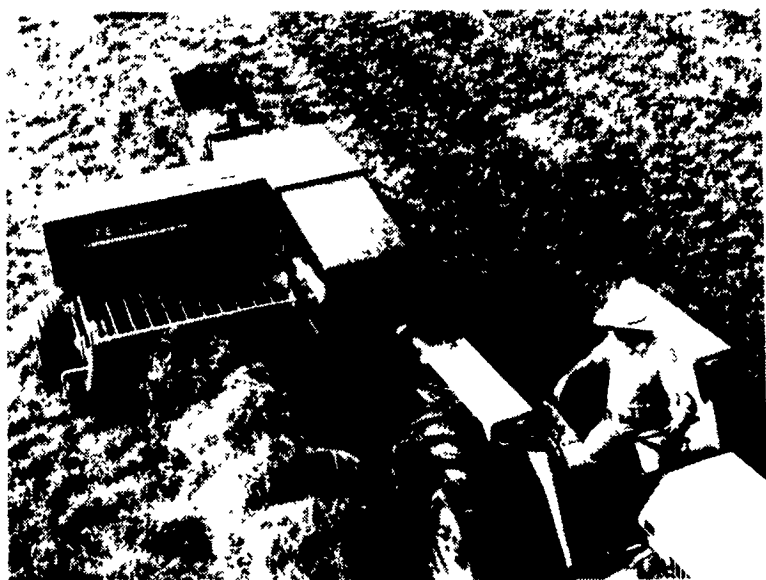
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The Sperry New Holland Model 426 baler is available in both wire and twine tie versions.

New baler announced

NEW HOLLAND — A new 16x18-inch heavy-duty baler from Sperry New Holland is designed for commercial and large acreage hay producers. Designated the Model 426, the new machine offers improved durability in both feeder and knoter areas. A Flow-Action feeding system is standard.

The bales produced by the "426" handle and store well. They provide a more useful weight to bulk ratio that's important for shipping hay over extended distances.

Heavy-duty knotters and twistors provide consistently

dependable tying. The knotters of twine-type "426" balers are hard-surfaced at all wear points. The bill hook cam on the knoter frame is hardened steel and replaceable. Hardened spacer washers have been added between the bill hook pinion and knoter frame, and the bill hook tongue roller is made of hardened steel.

Engine drive versions of the new "426" are powered by a 56HP V465D Wisconsin engine. PTO models are equipped with a 90HP drive line so large tractors can be used.

ABS promotes Babonis

DE FOREST, Wisc. — Gerald D. Babonis has been promoted to the position of Regional Sales Manager for American Breeders Service.

In his new position, Babonis will be responsible for his company's sales activities throughout 11 Northeastern states.

Babonis holds a Bachelor of Science degree in Animal Science from Cornell University and a Masters in Physiology of Reproduction from the University of Connecticut.

After graduation, Babonis joined ABS as a Representative in Cumberland County. Three years later he was promoted to District Sales Manager for Northeastern Pennsylvania and parts of New Jersey and New York states. He later served in this same capacity in the New England district.

During his tenure as District Manager, he won several awards for his performance in sales



Gerald Babonis

management.

Babonis will establish a regional office in Keene, New Hampshire where he, his wife Helen, and two daughters reside.

Brown Swiss bulls classified

TUNKHANNOCK — The Brown Swiss bulls at Sire Power, Inc., Tunkhannock were recently classified by M. B. Sowerby, official classifier.

9B62 Bridge View Jubilation was checked and remained at an Excellent rating. Jubilation is a popular sire with +1561 PDM - .09% +51f +\$194 with 31% repeatability. His type proof is outstanding at +1.6 PDT with 45% repeatability.

Ranked as a new Excellent bull is 9B58 Top-Acres Modern Galaxy, being raised from VG (86). Galaxy

is a high-producing All-American dam. His proof is +1075m +.03% +47f +\$154 with 60% repeatability.

One first time classification result was 9B65 Oak Forest Jake at VG (85). JAKE is an E E Beautician King son who is being sampled through the Young GOLD Sire Program.

All other Brown Swiss bulls were classified as follows: 9B59 Rolling View All Plus, GP (84); 9B60 Mort Modern Click, VG (85); 9B63 Johann Proud Banner, VG (86); and 9B64 Golden Dawn Elegant Masterkey, VG (87).



Participating in Chemgro's annual meeting held at the Good 'n Plenty Restaurant, Lancaster, Nov. 23, were from left: Steve Fisher, area representative for FMC Inc.; Jack Biedeman, CIBA-GEIGY; Buford Gunkle, salesman for Chemgro; Harry Breneman, Agrico Chemical Company, Tulsa, Okla.; Woody Funk, Chemgro president; and Jim Bowersox, Chemgro sales manager.

Chemgro holds annual meeting in Lancaster

LANCASTER — One hundred eighty-eight farmers and guests gathered at the Good 'n Plenty Restaurant, Lancaster, on Nov. 23, for Chemgro Fertilizers annual dinner meeting.

Chemgro president Woody Funk reported on Agcom, a new computerized soil test recommendation system recently installed by the company. With this system, Chemgro will receive soil test results overnight, and all recommendations are based on local soil types and manure applications.

"We will be offering the most accurate soil test results and recommendations available," Funk said.

Funk also presented the results of Chemgro's annual Club 200

contest which is open to all customers striving for a 200 bushel yield on a five acre plot. This year's winner was Titus Hoover, Neffsville.

Steve Fisher, representing FMC Corp., gave a slide presentation on insect control in corn, alfalfa and tobacco. Fisher reported on the 1983 Furadan test plots and accented his program with the company's Furadan Man film.

A presentation on weed control in corn, soybeans and alfalfa was given by Jack Beideman of CIBA-GEIGY. He also reported on Prime Plus, a new product for sucker control on tobacco.

Jim Bowersox, Chemgro sales manager, presented a slide show on some newly developing weed problems due to minimum tillage

and lack of crop rotation. He related root systems and growth characteristics to control recommendations for Hemp Dogbane, thistles, bindweed, milkweed, shattercane, Johnsongrass, triazine resistant redroot and lambsquarters.

Bowersox also discussed the proper application of fertilizer to increase efficiency and plant food retention. He closed with many points for using sulfur and magnesium in starter and broadcast fertilizers and the benefits to the farmer.

Throughout the afternoon, the speakers were interrupted by Buford Gunkle, Chemgro's comical farmer customer from the Welsh Mountains who was played by Tom Giesmann.

ABS picks 2 bulls

Elevation Jason, +\$232, +1,903M and +60BF and **Ev-Wal Lucky Print Glory**. His dam has production records to 24,624 lbs. of milk, with a Cow Index of +1,811M. She is classified GP-83 and is sired by Lime-Valley Lucky Print.

Pen-Col Daman-ET, bred by

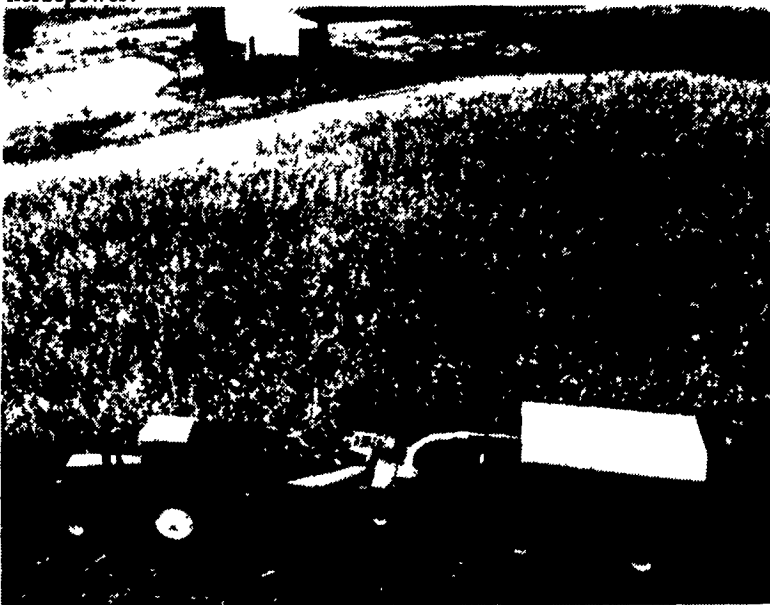
William and Carolyn Pettit, Vincentown, N.J. is sired by I-O-State Chief Ford, +\$261, +2,352M and +59BF and **Pen-Col Wayne Deena**. His dam has production records to 28,658 lbs. of milk, with a Cow Index of +2,517M. She is classified VG-85 and is sired by Wayne-Spring Fond Apollo.

Deere announces 3 choppers

In addition to the new features, the three new forage harvesters offer all of the features which have made John Deere Powr-Mizers so popular. These include Dura-Drum cutterhead for a uniform cut, the quick-adjust stationary knife adjustment and built-in knife and the two-speed fan for conserving horsepower.

The new models include the 36-knife model 3950 and 48-knife 3970, both with 18-inch diameter cutterheads, and the 40-knife 4720 with 24-inch diameter cutterhead.

New John Deere 3950 and 3970 Forage Harvesters will be available during the early spring of 1984; the 4720 will be available in the late fall of 1984.



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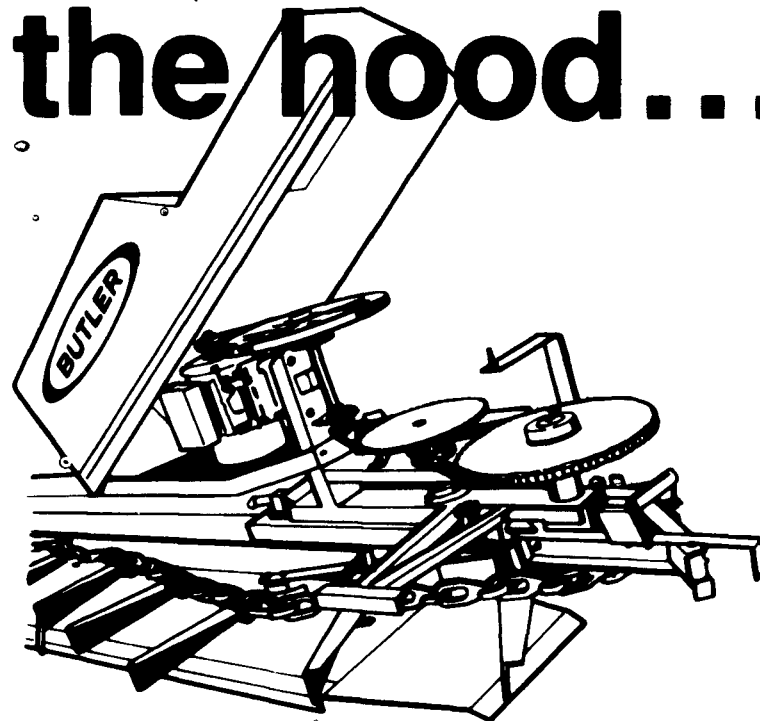
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Hog building line cited

DELPHI, Ind. — A new line of factory-built Farrowing/Nursery Combination Buildings has just been introduced by the Farmcraft Agri-Systems division of Underhill Industries, Inc., P.O. Box 256, Delphi, Ind.

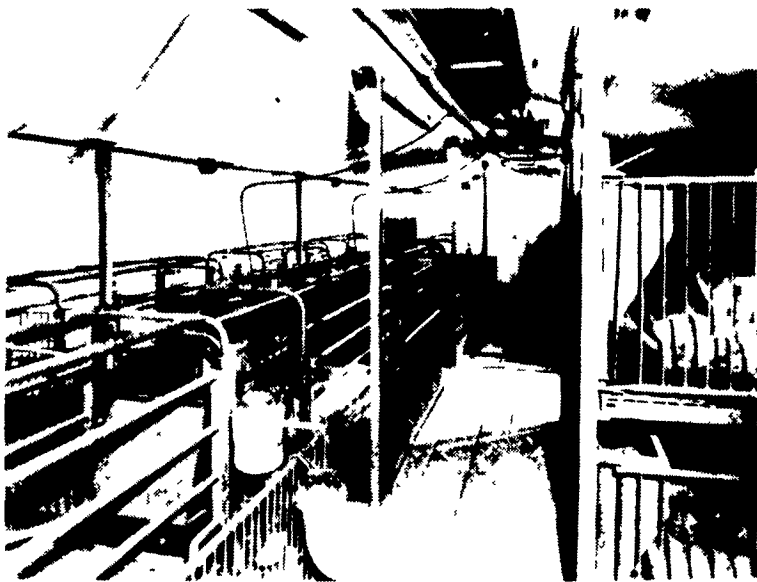
These buildings are the most cost-efficient and flexible hog production buildings available, the builders claim. They are offered in a choice of seven sizes of no-stress buildings, completely equipped and ready for hook-up to utilities at the site. Sizes range from 12' x 40' with six farrowing crates and four double-neck nursery pens (each holding approximately 20 pigs, making a total of 80 nursery pigs)...to the largest, which is 24' x 54', with 18 farrowing crates and 10 double-deck nursery pens (200 capacity).

An important feature is the heavy coating of fiberglass sprayed over the interior walls and ceiling, so that the entire interior is a completely seamless smooth surface with no joints, cracks or crevices in which bacteria can lodge. Walls and ceiling are easier to wash and disinfect, and there is no appreciable wear year after year.

The builders state that these buildings cost less to buy because they are factory-built, using advanced production line techniques. In addition, large scale quantity purchasing of materials effects sizable savings. They point out that these are not flimsy "portable" buildings, but are sturdy structures with heavy framing that gives them long life and low depreciation cost. They qualify for long-term mortgages. Leasing plans with tax advantages are available, also.

Exterior walls are covered with heavy sheet steel with durable baked-on vinyl coating. There is thick styrofoam insulation in the walls and above the ceiling.

The buildings are equipped with



Farmcraft line of factory-built farrowing/nursery buildings are announced by Underhill Industries, Inc.

L.B. White heaters and Chore-Time automatic ventilation systems. Excellent lighting with waterproof fixtures. Extra-heavy Tender-Care R flat-top woven wirefloors or any other type desired by the purchaser. Completed equipped with farrowing crates and nursery pens, fused glass surface and stainless steel feeders, and stainless steel with brass nipple drinkers. Automatic feed systems are optional extra.

Three types of buildings are offered: A. self-contained which

have their own built-in fiberglass manure pit under the floor (on site, these buildings are placed over a concrete slab) B. pitless, which are placed over a foundation/manure pit which the buyer has built on his site; C. positioned over a flush or scraper manure removal system.

Farmcraft also offers factory-built single or double-deck hot nursery buildings. All are transported directly from the factory to purchasers site by the manufacturer.

USDA counsel named

WASHINGTON, D.C. — Daniel Oliver has been sworn in as the U.S. Department of Agriculture's general counsel by Secretary of Agriculture John R. Block. He replaces A. James Barnes who left to serve as general counsel of the Environmental Protection Agency.

As general counsel, Oliver will oversee USDA's legal staff.

Oliver had been general counsel

at the U.S. Department of Education since August 1981. Prior to that, he was in private law practice in New York City. From 1973 to 1976 he was executive editor of "National Review" magazine.

Oliver earned an undergraduate degree from Harvard College and a law degree from Fordham University. He served in the U.S. Army as a Russian language specialist.

Sire Power post to Bronson

TUNKHANNOCK — Roberta Bronson, Bloomsburg, has recently been appointed to a newly created staff position as Marketing Assistant for Sire Power, Inc.

This past summer she held a temporary position in the Marketing Department working with the Holstein and Color Breed Sire Directories. Her new responsibilities include: Color Breed Advertising, constructing the Sire Directories and supplements as well as distributing them. She will also develop annual calendars and handle promotional items. In addition, the displays for member area and District Sales Managers' areas will be distributed by Bronson. She will also be responsible for coordinating tours and handling Marketing Research projects.

She has shown her interest in the dairy industry through involvement in the local 4-H Dairy Club, holding a Jr. membership in the Holstein-Friesian Association, being Columbia-Luzerne County Dairy Princess, as well as Pennsylvania State Dairy Princess - 2nd



Roberta Bronson

Runner-Up (1981-82), and by helping on the family farm of Registered Holsteins. Her parents are Mr. and Mrs. Robert C. Bronson of Rob-Run Farm, Bloomsburg.

She holds a Bachelor of Business Administration Degree from Penn State with a dual major in Marketing and Management.

Hedging workshop scheduled

DOVER, Del. — A hedging workshop for Delaware grain producers will be held Jan. 5 and 6, 1984, at the Sheraton Inn, Dover. The event is being sponsored by the University of Delaware Cooperative Extension Service. According to extension marketing specialist Carl German, the workshop will cover material which should be helpful both to individuals with no previous experience in futures trading, and those already using hedging as part of their grain marketing strategies.

The program the first day will cover the hedging basics, including objectives of this marketing technique, how to calculate basis and how to arrive at a profitable hedging decision. Topics the second day will include margin requirements, production and storage hedges, and what services to expect from a broker.

Enrollment in the workshop will be limited to 25. A registration fee of \$20 per person is required. For further information contact extension marketing specialist Carl German at (302) 738-2511. Deadline for registration is December 21.

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We recommend our fully adjustable Model 90 Mulch Layer for those growers using other width plastic and for laying tunnel plastic over hoops. (Patent Pending)

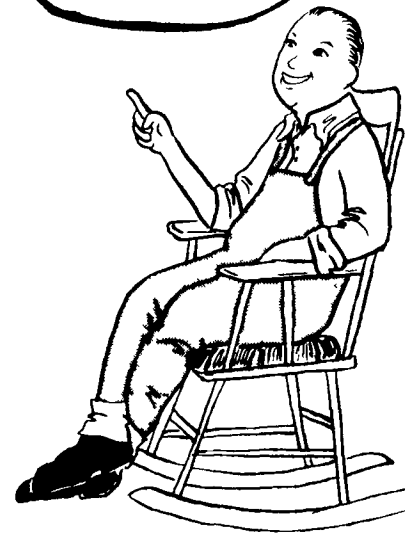
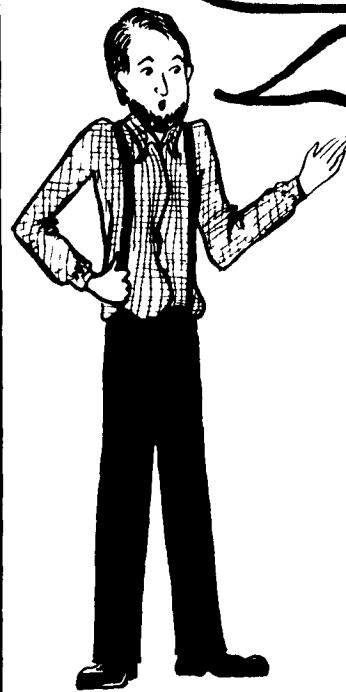
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Jake, how come whenever I see you lately, you're sitting on your rocker?

Luke, I've made up my mind to sit tight until the December 10th issue of Lancaster Farming comes. I can't wait to catch all them bargains on **BINKLEY & HURST BROS.** Special Flyer for their **CASH & CARRY DAYS SALE**, starting Dec. 12th thru Dec. 29th!

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Ag consulting firm formed

BY JACK HUBLEY
LEBANON — Today's agricultural climate demands a constant search for the most cost-efficient farming methods. Yet day-to-day work loads harness the farmer to his regimen leaving little time to keep abreast of the latest in farming technology.

Enter the agricultural consultant, whose business it is to analyze procedures and make recommendations resulting in a more efficient and profitable operation.

Braxton Enterprises is one such firm dedicated to cutting costs rather than corners for the farmer in southeastern Pennsylvania.

xxx

Q: Mr. Braxton, with what specific aspects of agriculture can Braxton Enterprises be of service?

A: Our consulting work deals primarily with the farmer's cropping procedures: tillage practices, the use of herbicides, insecticides, and perennial weed control.

Q: What cost savings can a

farmer hope to realize as a result of your service?

A: That varies, of course, from farm to farm. As an example, though, not long ago I made some recommendations to a farmer concerning the application of corn herbicides to his no-till fields. Another farmer — a chemical dealer, by the way — told him my methods would not work, so he set up two test plots and tried both methods. My recommendations resulted in a savings of about \$4.40 per acre.

Q: Exactly what services does Braxton Enterprises offer?

A: First, and most importantly,

we meet and consult with the farmer regarding his specific problems. The number of visitations varies, but we'll be on hand as often as necessary to satisfy our clients' needs.

We also publish a monthly newsletter, and schedule a yearly group meeting of all clients sometime in January or February. Representatives of various chemical companies will be on hand at the meeting to make presentations. The meeting permits my clients to purchase chemicals in bulk resulting in considerable savings.



Guy Braxton

Q: As president of Braxton Enterprises, what are your qualifications to act as consultant?

A: I was a senior sales representative for Monsanto Ag. Chemical Co. for nearly 10 years, and this experience has given me valuable insight into the problems facing farmers here in southeastern Pennsylvania.

But here I'd like to emphasize that Braxton Enterprises is an independent consulting service, with no other company affiliations. Therefore, we can work for the farmer in his own best interest. I am also a member of the Pa. Farmers Association as well as several Young Farmers Associations including Pa., Ephrata, and Northern Lebanon.

Q: Do you see an increasing need for the independent agricultural consultant?

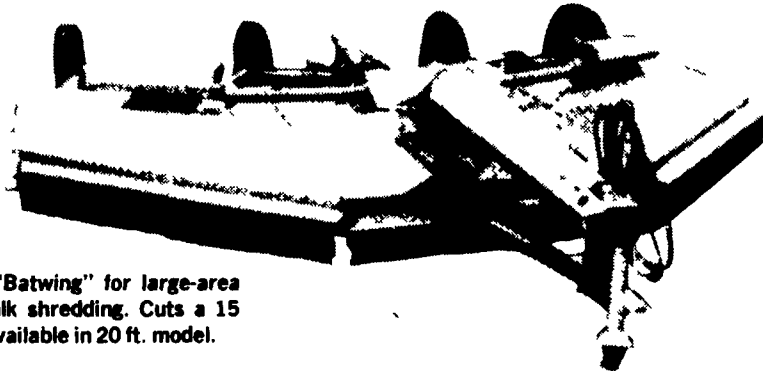
A: Absolutely. Today's diversified farmer simply cannot keep up with advances in farming technology while trying to run his own operation. It's my job to work with Penn State and other ag programs to find out what's new and what's working in this area. I am to the farmer's crops what an accountant is to his books.

Q: How can interested farmers find out more?

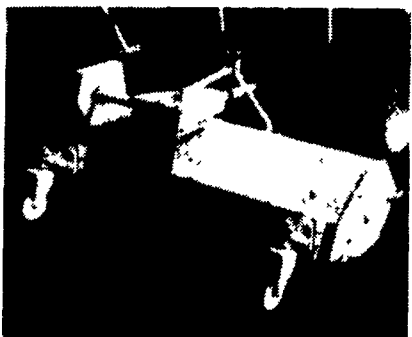
A: Simply in contacting Braxton Enterprises at 745 Suzanne Drive, Lebanon, PA 17042. Phone: 717-274-2474 or 273-8492.



Division of Hesston Corporation



Model HD315 "Batwing" for large-area mowing and stalk shredding. Cuts a 15 ft. swath. Also available in 20 ft. model.



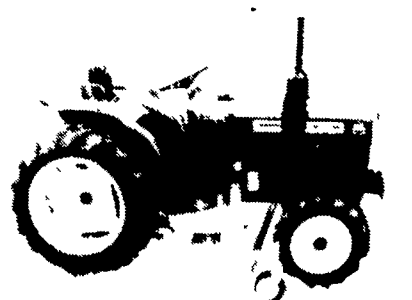
Woods Model FM-72 Flail mower cuts a 6 ft. swath with patented self-cleaning blades



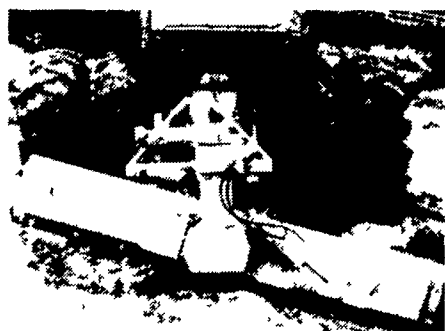
Woods rear-mount mowers are available in gear and belt drive models with a choice of 3-1/2, 4, 5, 6 and 7-1/2 ft. cutting swaths.



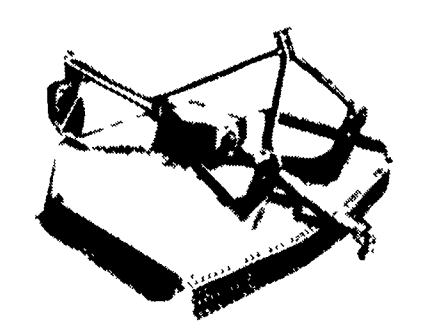
Model 214 cuts a 14 ft. swath; mows or shreds up to 100 acres per day.



Woods offers the most undermount mower models in 3-1/2, 4, 5 and 6 ft. cutting swaths, for most tractors, old, new, foreign or domestic.



Woods rear blades are available in moldboard widths from 5 to 10 ft.



Cadet series mowers available in 5 ft. (Category 1) plus 6 ft. and 7 ft. (Category 2) for 3-point hitch.

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under mounted. And we offer rear blades in light, medium or hydraulically operated heavy-duty models with moldboard sizes ranging from 5 to 10 ft. At Woods we're staying on top of your needs with an expanding line of high-quality products available at a fair price.

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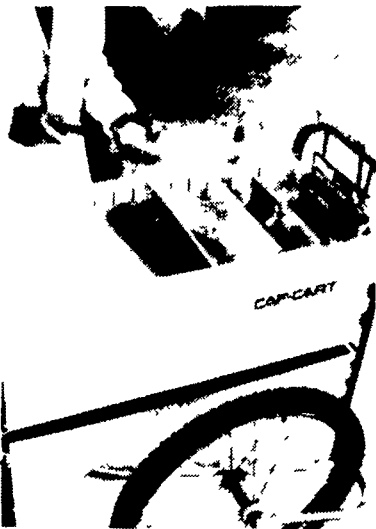
(215) 445-4541

New cart attachment

EPHRATA — Raytec Manufacturing, of Ephrata, introduces Vet-Tray, optional attachment for its Caf-Cart calf transport vehicle. All-metal unit fits snugly atop Caf-Cart's transport box to hold veterinary supplies, medicines or farm tools. Vet-Tray features three movable dividers and white enamel finish. Comes complete with kickstand to hold cart level.

The Raytec Caf-Cart handles calf transport and other types of light farm hauling. Pivot-action design allows for ground-level loading and unloading. Extra-large rubber-tired ball bearing wheels enable unit to "float" over uneven or rocky terrain. Other options include Hed-Lok attachment. Constructed of heavy-gauge steel rod, Hed-Lok holds livestock firmly in place for one-man de-horning, castration or medical treatment.

For more information write Raytec Manufacturing, R3,



Versatile new Vet-Tray attachment fits snugly atop Raytec Caf-Cart.

Ephrata, PA, 1/522, or call toll-free (800) 233-0196. In PA call (717) 354-4301.

Chemical castration developed

ST. JOSEPH, Mo. — Bio-Ceutic Laboratories is marketing the first injectable chemical castration product for calves.

Called Chem-Cast, the veterinary prescription product is a patented chemical solution labeled for syringe injection into the testes of bull calves up to 150 pounds. Chem-Cast will be available only through licensed veterinarians.

With proper administration, Chem-Cast painlessly destroys the testes and testicular tunics, leaving the calf castrated within 60 days after injection.

Bio-Ceutic researchers developed Chem-Cast to avoid the calf stress, pain and hemorrhage inherent in surgical and Burdizzo (clamping) methods of castration. Injected with a small needle, Chem-Cast minimizes risk of infection associated with surgical

castration. Chem-Cast also desensitizes the treated tissue to minimize calf stress and prevent setbacks after castration.

In two years prior to licensing, Chem-Cast was tested in 23 field trials in five regions of the U.S. with 1,426 calves of beef, dairy and dairy-cross breeding. Effectiveness of Chem-Cast approached 100%, proving to be as effective as surgical castration, and more effective than Burdizzo castration. Calves castrated with Chem-Cast did not exhibit post-castration complications often associated with other methods.

In the four weeks following castration, calves injected with Chem-Cast required less treatment than Burdizzo- and surgically-castrated calves, and showed no setback as indicated by daily gain and feed efficiency.

Tobacco comments requested

WASHINGTON, D.C. — The U.S. Department of Agriculture has asked for public comments on the size of the marketing quotas for six kinds of tobacco, according to Everett Rank, administrator of USDA's Agricultural Stabilization and Conservation Service. The tobaccos are:

Virginia fire-cured (type 21), grown in Virginia; Virginia sun-cured (type 37), in Virginia.

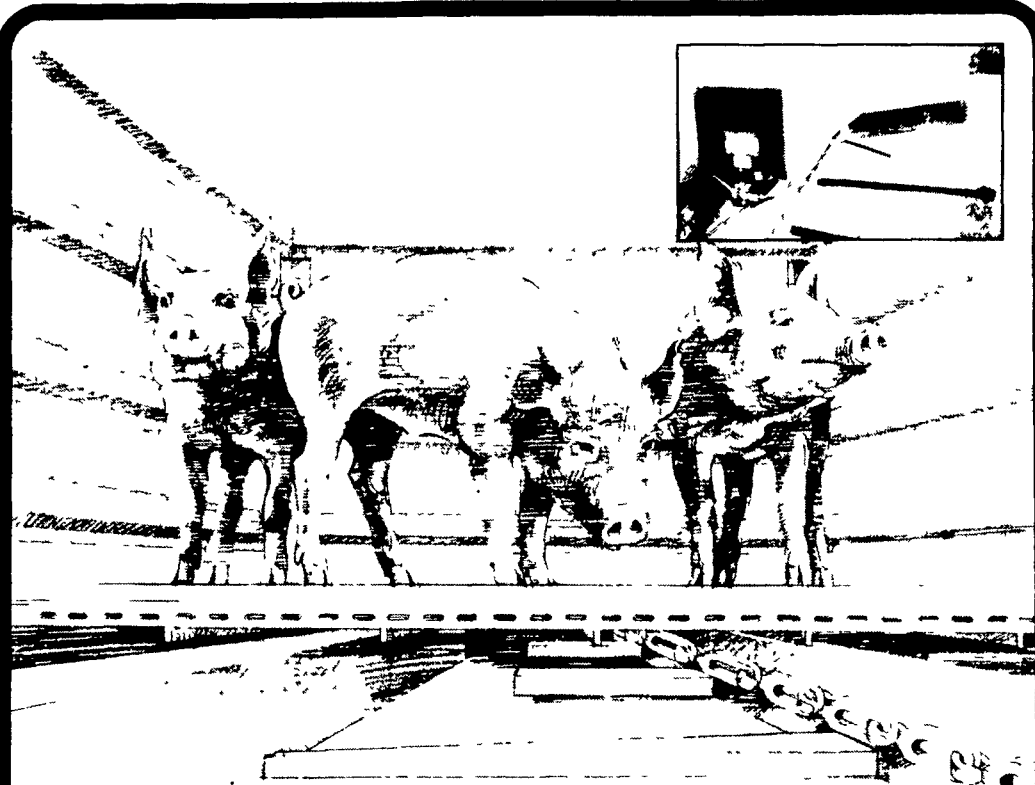
Cigar filler and binder (types 42-44 and 53-55), in Indiana, Minnesota, Ohio, Pennsylvania, and Wisconsin; Cigar binder (types 51-52), in Connecticut and Massachusetts.

Fire cured (types 22-23), in Kentucky and Tennessee; Dark air-cured (types 35-36), in Kentucky and Tennessee.

USDA will announce final decisions on quotas no later than

Feb. 1, but before making final determinations on quotas, USDA will consider any written comments received by Dec. 30. Additional details appear in the Nov. 17 Federal Register.

Comments may be sent to the director, analysis division, USDA-ASCS, room 3741-S, P.O. Box 2415, Washington, D.C. 20013. Comments will be open to public inspection in room 3741 of USDA's South Building during business hours.



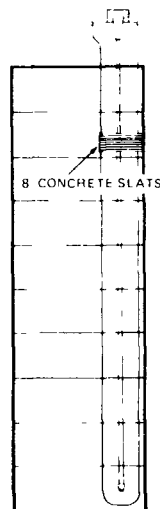
Daily under-slat cleaning with 42" flites

Just push a button and 42" flites remove manure from under slatted floors or crates in farrowing houses, nurseries and finishing areas. Manure moves to your manure pump, compressed air manure mover or outside storage area.

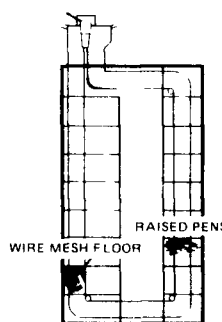
The Patz Under-Slat Cleaner moves manure outside building to

avoid gas and odor problems from under-building manure storage. Lowered ventilation requirements allow draft-free, warm environment.

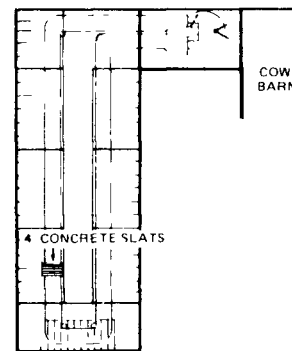
This 42" gutter cleaner uses proven Patz hook-and-eye link chain. It is powered by the same performance-proven drive unit as the popular Patz Gutter Cleaner.



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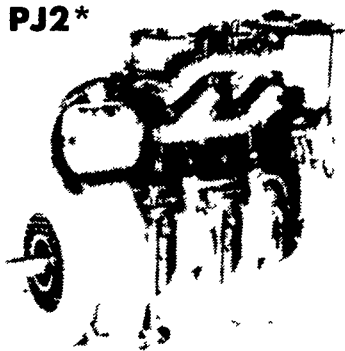
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DEALER INQUIRIES INVITED

PIK fields may have problem

WAYNE, N.J. — Corn fields diverted in 1983 to the USDA PIK (Payment in Kind) set-aside program could harbor a serious treat to 1984 corn crops, a survey by American Cyanamid Company indicates.

Survey results from 112 fields in nine midwestern states showed significant numbers of corn rootworm beetles and corn flea beetles. These insects will pose a more-than-average threat to corn production in 1984.

The company's technical service group used sweep nets to check PIK acreage in Illinois, Kansas, Minnesota, Iowa, Missouri, Nebraska, North Dakota, Ohio and Wisconsin. Most of the fields yielded corn rootworm adults and corn flea beetles, according to a report on the survey by Mark Atwood, Technical director, Cyanamid Crop Protection Chemicals Department.

Rootworm egg numbers could not be determined, but the number of adults found "indicates significant egg laying might have taken place," Atwood reported.

Atwood says Purdue University is advising farmers to use a soil insecticide next year on set-aside acres if rootworm beetles were noted during August or September, "regardless of what was grown there in 1983." Some of the Cyanamid surveys were conducted in September, after adult rootworm activity peaked, he said.

Atwood said that the surveys were taken too late to find

wireworms and white grub adults still in the fields though they may have been present there during the early summer. Cutworms, found in less than three percent of the surveyed fields, were considered insignificant in the study, he added.

When these same PIK fields were swept with nets, abundant flea beetle populations were found, Atwood continued. In one Minnesota field 60 sweeps of the net captured 50 flea beetles. "Adults of the species will overwinter in these PIK fields, particularly in southern regions of the corn belt, and may pose a more than average threat in 1984," Dr. Atwood said.

Cyanamid designed the survey in part to learn what kinds of corn pests were present in PIK fields. In most of the acreage surveyed, corn flea beetles were found, as were Northern and Western corn rootworm beetles. Southern corn

rootworms were not included in the research, since they generally do not overwinter in the Midwest.

Survey results showed rootworm beetles were most prevalent in weedy, fallow fields and in small grain cover crops, which together compromise about one-third of the acreage studied.

Corn flea beetles were found most frequently in weedy fallow fields and in cover crops of sorghum, sudangrass or sudex.

In spite of cool, wet conditions and the late-season timing of sweeps, enough adult insects survived in some fields to be considered a potential threat, Dr. Atwood said.

In one weedy fallow field in Goodhue County, Mn., 60 sweeps of the net caught 350 northern rootworm and 50 corn flea beetles, he noted. Sixty net sweeps caught 77 Northern and Western rootworm beetles in a Dane County, WI cover crop of small grain.

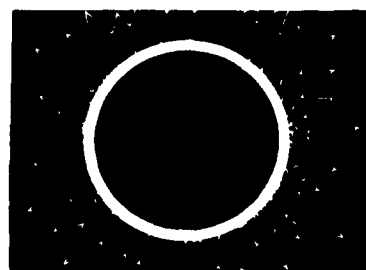
Tomato meeting on Tuesday

NEWTON — An all day program on tomato production and marketing will be held Tuesday from 10 a.m. to 3:30 p.m. at Thompson's Dairy Bar on the Newton Ransom Boulevard at Newton in Lackawanna County.

The speakers include Peter Ferretti, Penn State Extension vegetable specialist, who will evaluate the tomato varieties grown in four locations in Penn-

sylvania last year. Also on the program are Cyril Smith, professor of plant nutrition at Penn State; Alan MacNab, Extension plant pathologist and Tom Jurchak, Lackawanna County Extension Agent.

MacNab will review the results of using pocket computers to time early blight sprays on tomatoes.



Energy Edicts

By James W. Garthe

Penn State Ext. ag engineer

One of the most promising alternate fuels for diesel engines is vegetable oil, says James W. Garthe, Penn State Extension agricultural engineer.

Vegetable oils like soybean, sunflower, peanut and corn oil have about 90 percent of the energy of No. 2 diesel fuel and represent renewable fuels. These renewable resources could still be produced during a petroleum shut-off or a fossil fuel shortage.

When substituted for diesel fuel in tractors, vegetable oils do present some problems, however. First, vegetable oils are about

fifteen times thicker than diesel fuel at room temperature. Fuel filter plugging, coking of injector nozzles, gum formation and crankcase oil gelling can also be problems.

If you are going to use vegetable oils as fuel, you must filter them after processing and again before burning them in the engine. Their extreme thickness and high amount of solids lead to rapid fuel filter plugging, though. In some cases, you may have to change the fuel filters every 24 hours.

Coking, or carbon buildup, is another problem stemming from vegetable oil thickness. Poor atomization of the oil as it is injected into the cylinders causes this problem. Poor atomization, or breaking up of the fuel into extremely small particles, results in incomplete burning and carbon buildup. Coking can be prevented only through extensive refining.

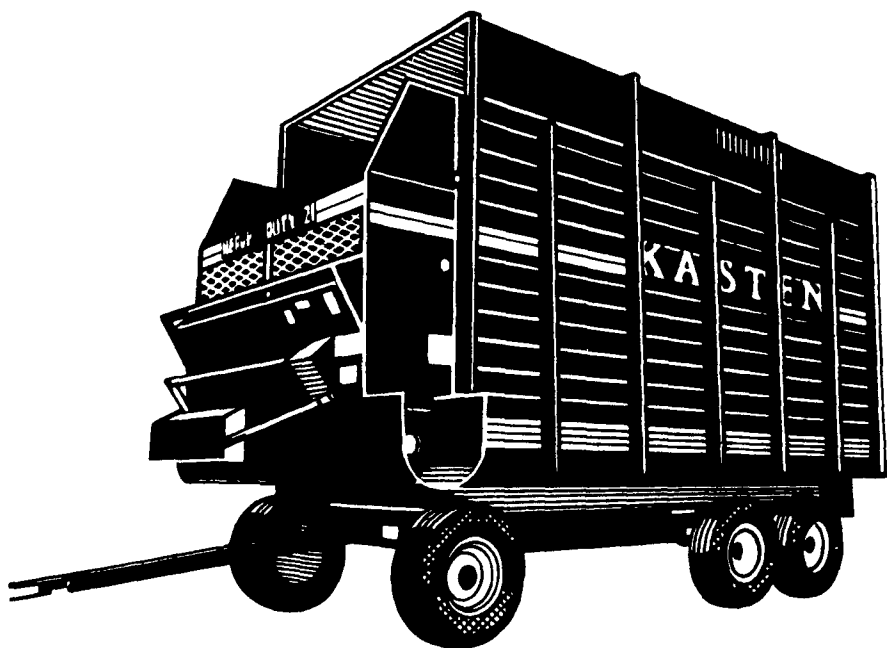
Presently too complicated for the farmer to perform, extensive refining is also needed to prevent gumming that occurs because the oil breaks down when exposed to the extreme temperatures and pressures inside the engine.

Vegetable oil also has the potential to become an acceptable fuel, however. It mixes easily with diesel fuel to give a fuel mixture that doesn't have the problems of straight oil.



Peter Ferretti

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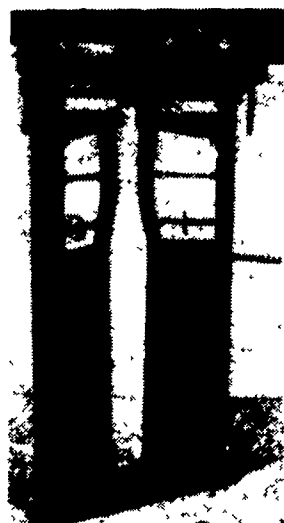
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Dairy Pipeline

By
Glenn A. Shirk

Extension
Dairy
Agent

Weaning time is a very critical time in the life of a calf. Most dairymen can attest to this fact with the problems they experience when they move calves out of hutches. Things done – and not done – at this time in the calf's life can have an immediate effect on the life of that calf and a long range effect on its future productivity.

Put yourself in the position of the calves you tend to and consider how you would react to someone suddenly and drastically changing

your daily diet, and throwing you into a crowded stuffy room with a group of rowdy strangers that beat you to the table and lay first claim to the most comfortable chair and bed. As if that were not enough, the "boss" also cuts your horns, removes extra teats, puts tags in your ears and chases you down with needles. That would be a lot of stress!

Hopefully, we don't treat our calves in a manner similar to that described above. However, many

management practices and changes do have to be made in a relatively short period of time at this time in the life of our calves. Our challenge is to plan these in such a way so as to minimize the stress we place on our calves. With that in mind I offer the following thoughts for your consideration, realizing that all of them may not be appropriate for your specific situation. Some of these thoughts came from a paper written by Dr. Jud Heinrichs, Penn State Dairy Specialist, and Dr. Larry Hutchinson, Penn State Extension-Veterinarian others are my own.

Let's start with feeding. Calves should be consuming 1.5 pounds of calf starter plus 8 to 10 quarts of water and some dry forage before being weaned. If not, continue them on liquid feeding (milk or milk replacer) a little longer, while cutting back on the quantity in an effort to encourage greater intake of those same feeds they'll be consuming after weaning. We don't want them to go off feed, and we want their digestive system to be acclimated to these feeds before being weaned.

We want calves to be thrifty at time of weaning. As cold weather sets in, we may have to feed additional milk or milk replacer and additional grain, or feeds of higher energy. Calves need more energy

on cold days to maintain body temperatures and body weight. We can reduce these losses by making sure calves also have a clean, dry, protected place to rest.

If possible, delay moving calves for 2 to 4 weeks after weaning. Then move them into their first group pen, preferably in a dry protected area away from older animals, where they have ample room to lie down, ample bunk space, and easy access to water. Environmentally, this area should be similar to that of the area from which the calves are being transferred. In other words, don't move calves from cold hutches to a closed, warm building, or vice versa. This may require some planning, and it may affect where you will want to start your calves.

If present facilities are inadequate, you may find that super hutches could be used as a transition facility to help calves adapt to future housing. Plans for superhutches are available through the Penn State Extension Service. The first group pen weaned calves are moved to should be large enough for only 3 to 5 calves, without crowding.

When weaning calves, try to wean 3 to 5 calves of similar age and size at the same time and move them as a single group to their first pen. This way, you

minimize the stress of "bossy" heifers, and by delaying the move until 2-4 weeks you minimize the risk of calves sucking each other. Hopefully too, by this time they are eating well. Maintain them on these same feeds for at least a week or two after this first move. Then, if ration changes are needed, do so gradually.

Plan too, to schedule management practices such as dehorning, ear-tagging, deworming, removing extra teats and vaccinating at times when they'll not add to the stress of weaning and the stress of being thrown into their first group experience. Work closely with your veterinarian in developing a good vaccination and deworming program for your farm.

Once calves are weaned and moved to their first group pen, be sure to observe them frequently, especially the first few days, to be sure they are eating and drinking well and that they are healthy and thrifty. Unthrifty and timid calves may need to be separated for special attention or be added to a pen of smaller calves where they feel more comfortable.

This is a rough time in the life of a young calf. But with a little care and foresight on your part, you can help them through this critical phase. Having done so, both you and your calves will be the winner.



Pennsylvania Dairy Herd Improvement Association

Lancaster County DHIA Monthly Report

LANCASTER COUNTY DHIA
October Report

A Registered Holstein cow owned by John A Brubaker Jr., R#2, Christiana, completed the highest 305 day lactation. Matty produced 27,423 of milk, 1,203 lbs of butterfat with a 4.4% test. Second high lactation was completed by a Registered Holstein cow owned by John K Peters, R#6, Manheim Puff produced 24,163 lbs of milk, 1,125 lbs of butterfat with a 4.7% test in 305 days

First 305 Days Of Lactation
With 730 Or More Lbs. Of Butterfat

OWNER	NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
John A. Brubaker Jr							
	Matty 72	RH	6-1	305	27,423	4.4	1,023
	Joyce 20	GrH	3-0	305	26,242	3.5	912
	Jenny 26	RH	10-7	305	21,558	4.2	908
	Sundn 27	GrH	3-6	305	27,305	3.2	874
	Betz 40	GrH	3-2	304	21,259	4.0	857
	Ronda 34	RH	4-6	298	22,511	3.4	757
John K Peters							
	Puff	RH	4-5	305	24,163	4.7	1,125
	Ruby	GrH	8-3	305	23,028	3.7	843
Ken&Nelson Stoner							
	29	GrH	5-0	305	25,384	4.0	1,023
	7	RH	5-6	305	19,183	3.9	757
Ben S Stoltzfus							
	Pearl	RH	7-0	305	22,271	4.5	1,010
	Lucy	RH	4-3	305	22,014	4.5	987
	Rachel	RH	7-1	305	25,610	3.4	870
	Dolly	RH	5-6	305	23,504	3.3	766
Vernon R Umble&Son							
	Lindy	RH	8-9	305	29,524	3.4	1,009
	Sue Ann	RH	4-11	305	25,505	3.8	968
	Paula	RH	7-2	305	23,695	4.0	952
	Charm	RH	5-8	303	18,938	4.6	866
	Plume	RH	2-10	303	19,216	4.4	855
	Stacy	RH	4-0	294	22,133	3.6	806
	Lily	RH	11-8	305	20,039	3.9	774
Paul H Martin							
	Gladys	RH	4-3	305	22,544	4.5	1,005
	Babette	RH	3-2	293	20,208	4.2	855
	Pamela	RH	2-0	305	16,884	4.4	747
Allen S. Groff&Son							
	69	GrH	4-2	305	27,278	3.7	1,002
	22	GrH	4-3	305	20,161	4.0	816
	7	GrH	5-5	305	24,012	3.3	786
Delmar H Wenger							
	Sweet	RH	5-0	305	25,564	3.9	991
	Ada	RH	4-10	305	22,847	3.9	893
Robert H Kauffman							
	Babs	RH	4-10	305	21,392	4.6	985
Ira D Welk&Sons							
	Lavina	RH	8-3	305	24,905	3.9	981
Joseph C Wivell							
	Nadine	RH	5-1	305	23,654	4.1	979
	Jewel	RH	4-1	300	23,691	3.5	837
	Kay	RH	5-6	305	21,683	3.5	757
	Tara	RH	3-4	305	19,244	3.8	736
Springarden Farm							
	Kristy	RH	3-8	305	26,823	3.6	970
	Sylvia	RH	3-11	305	23,003	3.6	817
	Apple	RH	5-9	305	20,662	3.7	757
	Marcy	RH	6-0	305	28,824	2.6	737
John Omar Stoltzfus							
	Model	RH	6-2	298	22,792	4.3	969

Jonas E Stoltzfus							
	Cathryn	GrH	4-3	305	24,857	3.9	968
	Blackie	GrH	6-9	305	24,334	3.8	934
	Bonny 15	RH	5-4	305	22,846	3.8	870
Nelson H Wenger							
	Faith	RH	5-11	305	20,184	4.8	966
	Vodka	RH	4-5	305	19,385	4.7	908
G&J Hersey Bros							
	Lillie	GrH	8-7	305	21,841	4.4	961
	Louann	RH	3-3	305	20,431	3.6	743
Earl R Martin							
	13	GrH	4-10	305	26,776	3.6	956
Harold K Witmer							
	Delilah	RH	4-0	305	22,957	4.1	947
	Lorella	RH	5-8	305	22,453	3.7	832
Marvin K Witmer							
	Corrie	RH	5-4	305	26,453	3.5	935
	Mim	RH	4-8	305	27,149	3.3	897
	Paula	RH	6-6	305	25,320	3.5	888
	Marla	RH	7-1	305	21,890	3.5	774
	Trump	RH	10-11	305	18,144	4.2	754
Earl S Weaver							
	Dusty	RH	3-7	305	23,487	4.0	931
	Sue	GrH	3-4	305	18,908	3.9	743
H Landis Weaver							
	Lady	RH	7-3	305	19,400	4.8	929
	B Pam	RH	4-5	305	20,909	3.6	758
Meadow Springs Farm							
	Sherry	RH	7-8	305	22,209	4.1	921
	Wandy	GrH	5-3	305	21,492	4.2	900
	Molly	GrH	4-9	301	23,811	3.8	898
	Hope	GrH	7-11	295	23,215	3.5	808
Ephraim D Riehl Jr							
	Esther	RH	5-2	299	23,032	4.0	920
	Kathy	RH	4-3	305	20,209	4.3	875
	Kathine	RH	3-3	305	19,783	3.8	747
Omar Smoker							
	Vicky	RH	9-0	305	20,587	4.4	916
	Kit	RH	3-3	305	18,548	4.0	747
Lester M Weaver #1							
	32F	RH	6-2	305	26,147	3.5	915
	148	GrH	5-7	305	24,778	3.4	842
	71F	GrH	5-4	305	23,812	3.4	808
Mark A Young							
	54	RH	6-5	305	25,046	3.6	913
	4	GrH	7-5	305	17,530	4.2	745
Smucker-Sons Farm 1							
	489	GrH	5-1	305	25,963	3.5	911
Graywood Farms							
	51	GrH	4-1	305	19,483	4.7	909
	104	GrH	2-11	283	19,699	4.0	788
	180	GrH	4-5	305	20,264	3.9	787
	22	GrH	8-5	303	19,581	4.0	781
	341	GrH	5-6	305	18,763	4.0	755
	276	GrH	2-11	305	22,035	3.4	747
	242	GrH	5-6	303	19,375	3.8	740
	370	GrH	3-1	305	18,739	3.9	733
	489	GrH	3-11	305	17,756	4.1	733
Benuel Z Lapp							
	Grace	RH	6-0	305	22,413	4.0	907
P Robert Wenger							
	Casey	RH	4-2	305	23,360	3.9	906
Robert Kauffman Jr							
	Carol	RH	8-10	305	22,180	4.1	903
	Rae	RH	3-2	296	21,044	4.0	840
	Sadie	RH	5-4	305	21,230	3.9	822
	Matt	RH	4-11	305	24,251	3.2	767
Gusty Crest Farm							
	Lady	GrH	4-1	305	22,127	4.1	903
Galen W Crouse							
	Kathy	RH	9-3	305	20,618	4.4	902
	Beatrice	RH	4-5	305	21,065	3.9	832
	Salute	RH	6-1	305	18,575	4.4	812
	Sugar	RH	4-11	305	20,750	3.7	764
	Carmel	RH	4-6	305	21,128	3.5	750
Robert N Brandt							
	82	GrH	4-7	305	23,577	3.8	896
	87	GrH	4-9	305	21,150	4.1	862
	18	GrH	9-9	305	22,380	3.8	841
Willis M Martin							
	Perry	RH	5-0	305	26,276	3.4	895
	Polly	RH	6-0	305	20,835	4.1	856
Danda Farms							
	Mary	RH	4-11	305	26,010	3.4	895
	Denise	GrH	4-0	305	20,526	3.8	775
C Hurst&J Sensenig							
	Myldy	GrH	4-3	305	20,456	4.4	894
	Ivanhoe	RH	4-8	305	20,226	4.0	809

Nelson H Hershey							
40	RH	4-0	305	21,921	4.1	891	
Richard&Fay Fox							
MFlower	RH	6-6	305	21,772	4.1	890	
Gerald Martin							
Rita	RH	4-0	305	23,383	3.8	888	
Jill	RH	5-6	305	21,295	3.8	810	
Violet	RH	2-11	305	19,517	4.0	785	
Randy J Stoltzfus							
Bmkl 169	RH	4-7	304	20,327	4.4	888	
Elli 153	RH	5-3	285	20,616	4.2	872	
Shellenberger Bros							
Doretta	RH	9-2	305	23,019	3.9	887	
Gail 1	RH	5-3	305	24,010	3.6	857	
Renae	RH	5-0	305	23,240	3.4	786	
Evelyn	RH	5-3	305	23,898	3.2	775	
Levi S Stoltzfus							
Ronda	RH	5-3	305	21,755	4.1	886	
Blink	RH	4-0	305	19,912	4.0	794	
Curtis E Akers							
Patty	RH	4-5	290	20,155	4.4	886	
Naaman W Stoltzfus							
Belle	RH	6-6	305	22,440	3.9	885	
Myrtle	RH	4-4	305	20,310	4.2	860	
Earl E Martin							
Joy	RH	6-1	305	20,777	4.2	882	
Edgefield Farms							
Betty	RH	6-1	292	21,278	4.1	878	
Ru Be Mar Farms							
25	RH	5-10	305	20,773	4.2	878	
Robert W Ulrich Jr							
Debbie	RJ	4-3	305	21,430	4.1	874	
Babe	RJ	6-10	305	16,000	5.2	839	
Gloria	RJ	3-3	305	14,238	5.2	744	
Janet	RJ	3-8	305	14,880	4.9	730	
Henry U Stoltzfus Jr							
Korene	RH	4-0	305	26,949	3.2	873	
Olivia	RH	7-11	305	24,561	3.5	860	
Olive	RH	3-10	305	18,929	4.3	817	
Crystal	RH	4-4	305	23,102	3.4	797	
Lee Nome Farm							
Sharon	RH	5-0	305	24,352	3.6	873	
Dennis Shellenberger							
47	GrH	5-11	305	21,310	4.1	873	
Samuel B Lapp							
Linda	RH	5-7	305	22,298	3.9	872	
Curvin W Nolt							
16	RH	5-0	305	23,042	3.8	871	
53	RH	4-10	305	18,312	4.5	819	
23	RH	4-11	300	21,026	3.8	808	
D Lamar Witmer							
Star	RH	5-8	305	23,348	3.7	866	
Ritbel	RH	2-3	305	22,704	3.3	759	
Kenneth E Grube							
Doris	RH	4-9	305	22,530	3.8	866	
Emanuel S Fisher							
Lily	RH	8-6	305	22,484	3.9	866	
Ellen	RH	7-8	305	19,320	3.8	733	
JS Smucker&Sons							
359	RH	6-4	305	20,847	4.2	866	
362	RH	3-11	305	21,771	3.6	781	
482	RH	2-0	305	21,930	3.5	768	
John Z Beiler							
Princess	RH	3-11	305	25,360	3.4	864	
Priscilla	RH	3-8	305	23,514	3.4	790	
Kenneth D Myer							
Blondie	RH	7-6	305	21,393	4.0	863	
Wonda	RH	7-2	305	19,891	4.2	839	
Lilac	RH	3-0	305	20,692	3.6	745	
Cedar Fringed Farm							
Mollice	RG	4-0	305	16,588	5.2	863	
Rea	RG	5-0	305	14,984	5.6	844	
Dawna	RG	3-1	305	14,943	5.4	809	
Bellann	RG	5-3	305	16,758	4.6	763	
Blissy	RG	5-1	305	18,484	4.0	743	
Raquel	RG	3-0	305	13,177	5.6	735	
Paul H Hursh							
59	GrH	3-11	305	25,935	3.3	860	
Christian Zook							
Robin	RH	5-2	305	24,280	3.5	860	
Alert	RH	6-1	305	20,328	3.9	792	
Neffdale Farm							
Millie	RH	4-8	305	21,193	4.1	860	
Alice	GrH	11-8	305	25,717	3.1	793	
Whitie	RH	7-11	305	19,138	4.0	766	

Lancaster Co. DHIA

(Continued from Page D12)

C Robert Greider	RH	10-3	305	18,602	4 0	752
240	RH	5-0	305	21,844	3 4	734
233						
Luke F Brubaker	GrH	6-3	305	20,486	4 0	827
35						
Ivan Zook	RH	6-4	305	22,595	3 7	825
50						
JM Stoltzfoos	RH	5 5	305	20,967	3 9	825
Lill	RH	5-3	292	21,934	3 4	750
Bess						
Abram&John Barley	RH	3-5	305	17,807	4 6	825
299	RH	4-0	288	16,451	4 7	777
259	RH	3-2	298	17,490	4 4	773
650	RH	4-0	305	17,963	4 3	772
181	RH	4-4	305	17,014	4 4	743
34	RH	3-6	305	16,524	4 5	738
567						

Nathan E Stoltzfus	RH	7 0	305	22,193	3 7	824
Krissy	RH	7 2	305	21,768	3 7	811
Daisy	RH	6 2	287	19,541	4 0	790
Shawn	RH	4 3	305	18,767	4 2	787
Audrey	RH	3-3	305	19,638	4 0	776
Stephie	RH	6-4	305	21,489	3 4	741
Silene						
Jay E Landis	RH	5-6	305	21,490	3 8	823
Beretta	GrH	3-11	305	22,363	3 7	821
Clair M Bowman						
7						
Calvin D Beiler	RH	6-3	305	25,313	3 2	820
Cavlier						
Kevin S Smoker	RH	5-5	304	21,750	3 8	820
Mattie						
Benueel F Stoltzfus	GrH	9-0	305	19,428	4 2	820
Flossie	GrH	3 6	287	18,948	4 2	791
Lilly						
Harold L Weiler	GrH	6 2	273	19,658	4 2	819
14						

Thomas C Lapp	RH	4 1	305	24,717	3 3	817
Molly 56	RH	7 1	277	23,787	3 3	794
Lisa 17	RH	4 9	305	26,086	3 0	775
Skip 89	RH	9 7	305	22,453	3 4	773
Pet 6						
Long Acres Farm						
136	GrH	3 6	305	21,393	3 8	817
66	GrH	5 0	305	21,381	3 6	779
98	GrH	3 3	305	21,028	3 5	743
Bushong Bros						
Pepper	RH	8 9	305	20,004	4 1	817
Ra-El Holsteins						
Silver	RH	4-7	305	26,589	3 1	815
Betty	RH	2 4	305	20,971	3 9	815
Robert Gochenaur Jr						
93	RH	2 10	305	21,331	3 8	815
John J Landis						
Bracer	RH	3-4	305	21,170	3 8	815
Bennie L Fisher						
Avon	RH	3-7	305	24,644	3 3	814
Creek Knoll Farm #1						
Forest	RH	6-2	303	22,588	3 6	814
Kathryn	RH	3-11	305	21,388	3 5	749
Tom&John Harnish						
Mona	RH	4-2	305	24,000	3 4	813
Annie	GrH	5-3	305	20,233	3 8	766
J Wilmer Conrad						
Special	RH	5-1	305	21,423	4 0	859
Lindy	RH	12-8	305	21,131	3 6	764
Robert L Shelly						
Pearl	RH	8-8	305	19,732	4 3	856
Polly	RH	6 2	305	20,639	4 1	844
A Ronald Martin						
C Marth	RA	5-2	305	19,288	4 4	856
Moe	RA	3-9	305	16,907	4 8	812
R Cabbie	RA	7-2	305	16,206	4 6	740
Amos B Lantz						
Trisha	RH	8-1	305	21,558	4 0	854
Joan	RH	4-7	305	24,105	3 3	806
Boots	RH	3-2	284	19,153	3 9	741
James D Shertzer						
Doris	RH	6-1	305	21,106	4 0	854
Kerry	RH	8-0	305	17,000	4 4	748
Emanuel S Smucker						
Wanda	RH	5-0	305	24,784	3 4	850
Robin	RH	6-9	305	19,601	3 9	757
Crystal	RH	8-11	305	18,957	3 5	658
Joseph W Best&Sons						
53	GrH	4-1	305	24,796	3 4	847
11	GrH	5-11	305	23,182	3 6	828
15	GrH	5-1	290	17,279	4 3	738
JE&Shirley Hershey						
Crysty	RH	8-0	305	22,897	3 7	846
Debbie	RH	12-4	305	22,187	3 4	758
Christian&Katie King						
43	RH	6-2	305	23,502	3 6	838
Buchen Farms						
515	GrH	5-4	305	19,201	4 4	838
569	RH	4-8	295	17,838	4 5	798
529	RH	5-1	301	19,627	4 0	782
652	GrH	2-11	305	21,660	3 5	764
519	RH	5-0	305	23,872	3 2	755
581	RH	4-5	305	19,764	3 7	732
Britain Acres Farm						
13	RH	9-11	305	21,827	3 8	837
158	RH	6-5	305	23,446	3 3	771
187	RH	3-8	305	23,446	3 1	735
Kreider's&Nickle						
118	GrH	4-0	305	23,507	3 6	836
Hiran S Aungst						
Dot	RH	3-8	290	21,903	3 8	836
Lester J Wiker						
Lois	GrH	8-3	305	21,053	4 0	835
Glenda	GrH	5-1	305	18,229	4 5	821
Eli S King						
87	RH	5-9	305	20,035	4 2	835
Christian Stoltzfus						
Brenda	RH	3-1	305	20,879	4 0	834
Essay	RH	7-5	295	19,877	3 8	762

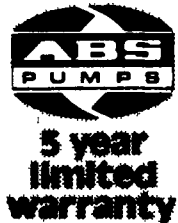
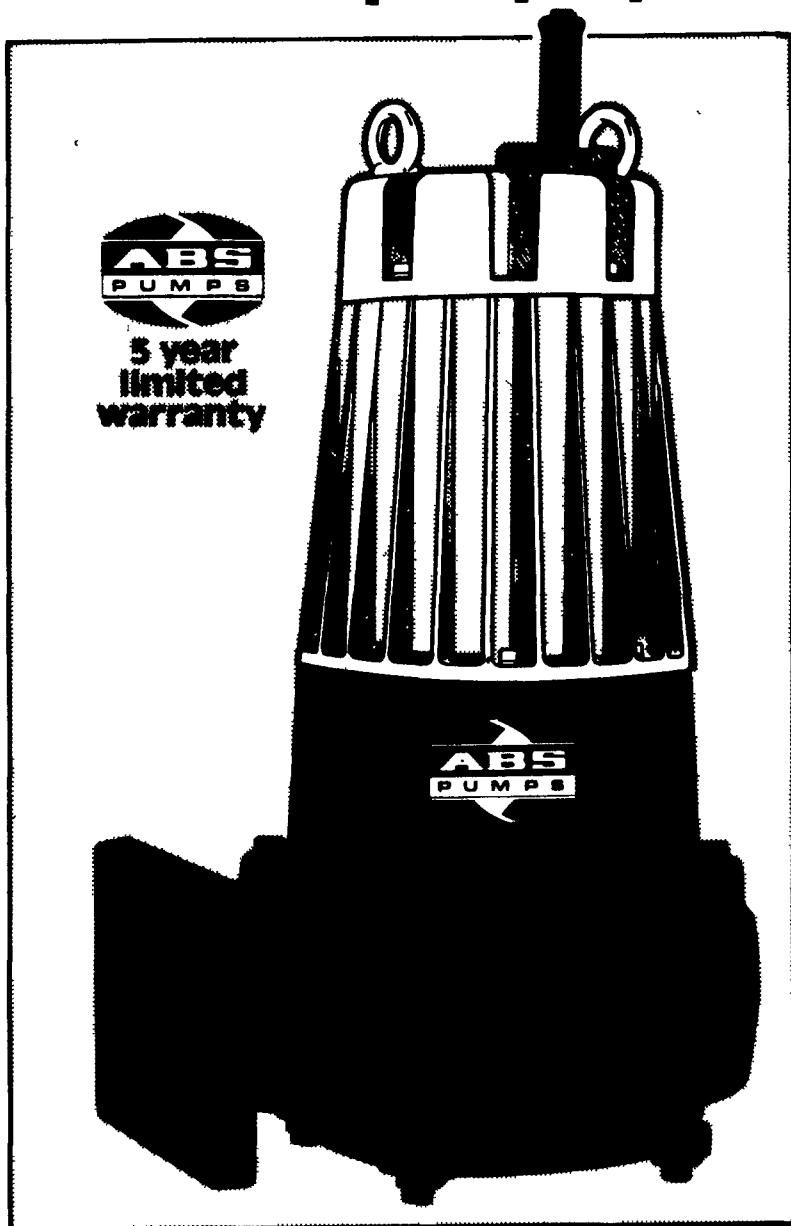
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Introduces

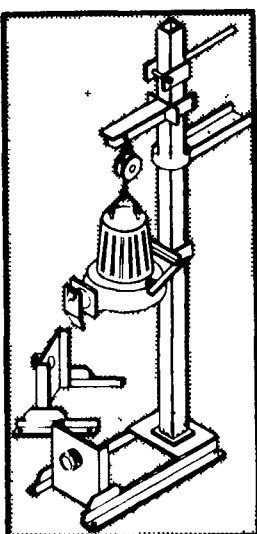
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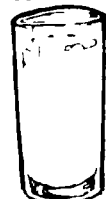
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2 - 500 Mojonniars
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Sales & Service

Lancaster Co. DHIA

(Continued from Page D13)

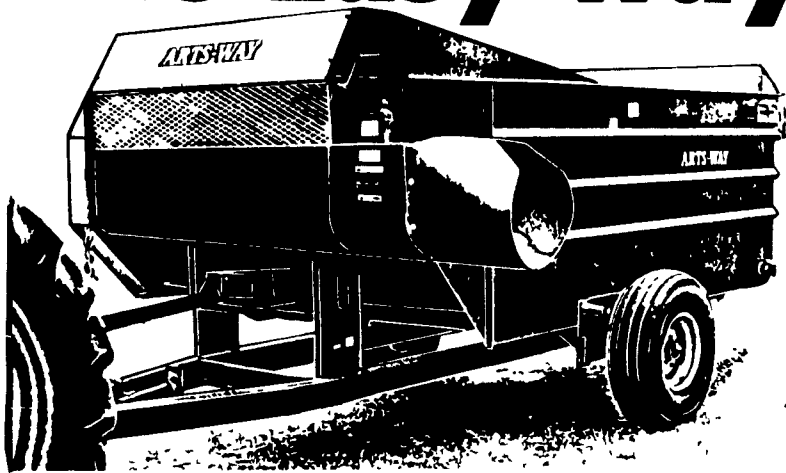
Marlin R Beiler	RH	3-9	305	24,018	3 5	833
Cleo						
Donald B Miller	GrH	5-9	305	23,172	3 6	833
Today 16						
ER&RE Denlinger						
Gwen	RH	6-5	305	21,344	3 9	832
Penni	RH	9-3	305	18,539	4 0	735
C Robert Greider						
166	GrH	5-2	305	19,003	4 4	828
Creek Knoll Farm #2						
Faith	RH	7-0	305	23,354	3 5	813
Middle Creek Farm						
Liz	RH	6-4	305	22,743	3 6	810
Harry H Ranck Jr						
Joan	RH	5-1	305	25,426	3 2	809
Raymond E Reitz						
11	GrH	5-1	304	18,531	4 4	807
Mary	RH	5-2	305	17,636	4 6	803
Ruby	RH	6-3	305	22,943	3 4	778
Titus B Stoner						
Marlene	RH	4-3	305	22,719	3 5	805
Elam B Rutt						
Ivy	RH	6-4	305	23,720	3 4	804
Paula	RH	3-6	305	19,616	4 1	798
John Omar Stoltzfus						
Gloria	RH	4-0	297	22,649	3 5	804
Richard N Sauder						
Jenny	RH	6-2	302	22,308	3 6	803
Honey	RH	3-1	305	19,791	4 0	784
Weaver&Burkholder						
79	RH	3-8	305	21,447	3 7	803
53	RH	5-3	305	20,860	3 6	755
Nelson R Habecker						
74	GrH	4-3	305	20,202	4 0	803
39	GrH	2-10	296	18,732	4 1	768
30	GrH	6-1	305	21,787	3 5	763
Christian G Becker						
201	GrH	5-6	305	18,505	4 3	803
Dal Car Farm						
94-173	GrH	5-4	305	20,869	3 8	801
79-153	GrH	7-1	305	20,100	3 8	757
Amos W Breneman						
Snowy	RH	6-1	305	25,328	3 2	799
Roman L Stoltzfus						
71	GrH	6-11	305	21,718	3 9	799
Paul N Brubacher						
74	RH	3-3	305	17,757	4 5	799
Daniel M King						
Erma	RH	3-3	305	23,661	3 4	794
Chris	RH	2-0	305	16,165	4 7	757
Pequea Meadows Farm						
176 Wnda	GrH	4-2	305	22,322	3 6	793

Meadow Vista Farm						
Moo	RH	9-11	305	22,311	3 6	793
Velvet	RH	7 4	305	18,599	4 0	743
Diana	RH	9-2	305	23,677	3 1	731
Luke Ray Zimmerman						
43	GrH	7-0	305	19,696	4 0	793
John U Glick						
Elsie	RH	4-5	305	23,467	3 4	792
Reta	RH	7-10	305	21,016	3 7	785
John O Stoltzfus						
Bess	GrH	3-10	305	20,814	3 8	790
Robert H Rohrer&Sons						
34	GrH	5-1	305	22,067	3 6	789
32	GrH	5-5	305	24,029	3 2	762
210	GrH	4-2	305	19,692	3 7	733
Welsh-Vista Farms						
Hazel	RH	4-4	305	18,428	4 3	788
Dazzle	RH	7-4	305	19,683	3 9	773
Cristy	RH	7-6	305	17,100	4 3	733
David B King						
Apple	RH	6-2	305	19,742	4 0	787
Roy H&Ruth H Book						
Judy	RH	11-10	305	18,342	4 3	784
David D Zimmerman						
Ruby	RH	3-4	305	17,550	4 5	782
Dennis R Bender						
40	GrH	4-6	305	22,328	3 5	781
J Wade Groff						
Melissa	RH	7-9	305	22,231	3 5	781
Rohrer Brothers						
Linda	RH	8-2	301	21,181	3 7	780
Don Ranck						
114 Mara	RH	9-0	305	18,806	4 1	780
Dale W Perfer						
Ilene	RH	4-5	305	23,384	3 3	779
David W Hunt						
Misty	RH	3-5	305	18,805	4 1	777
Earl N Landis						
Lois	RH	3-11	305	18,522	4 2	777
Dimples	RH	5-2	305	22,396	3 4	771
Abraham Shelly Jr						
Beaver	RH	3-5	305	23,548	3 3	776
C Victor Groff						
100	GrH	5-6	305	19,692	3 9	776
26	GrH	7-4	305	21,082	3 7	772
Joseph DeLong						
76	GrH	6-10	305	16,707	4 6	775
Clair M Hollinger						
Day 150	RH	4-9	305	21,273	3 6	773
Landis Garman						
Edna	RH	3-3	305	18,588	4 2	772
Thomas&Larry Aaron						
342	RJ	4-4	305	15,299	5 0	772
315	RJ	4-6	305	14,242	5 4	765
344	RJ	4-1	305	13,947	5 4	760
Tom Zartman						
235	RH	6-9	305	20,023	3 8	769
Sun Crest Farm						
Joyce	RH	4-1	305	16,115	4 8	769

Moses M Beiler						
Trixie	RH	6-2	305	20,575	3 7	768
23	RH	6-2	305	22,440	3 4	754
Clair Oberholtzer						
Delilah	GrH	4-2	305	21,963	3 5	766
Vern-Lee Holsteins						
Felicia	RH	3-5	295	19,936	3 8	765
Polly	RH	2-2	305	18,763	3 9	738
Glenn F Shenk						
Gloria	GrH	5-0	305	18,408	4 2	765
Lovella	RH	5-5	305	22,308	3 3	731
Albert H Mellinger						
Bonnie	RH	6-10	305	22,937	3 3	764
Spicer	GrH	4-5	286	16,723	4 4	736
John T Byers&Son						
43	RH	4-0	305	20,631	3 7	763
J Harold Musser&Son						
100	RH	7-2	305	16,843	4 5	762
8	GrH	11-10	305	21,152	3 6	751
Karl W Herr						
26	GrH	6-1	305	19,812	3 8	761
Elam S Beiler						
Linda	GrH	3-4	299	15,891	4 8	760
Paul V Nissley						
Mary	GrH	2-0	305	18,863	4 0	759
Walter C Pownall						
169	GrH	4-1	304	23,103	3 3	758
John S Wenger						
Fay	RH	4-7	305	22,096	3 4	758
David W Sweigart						
63	RH	3-4	305	19,307	3 9	758
58	GrH	6-11	305	18,517	4 0	747
Jeffrey G DeLong						
27	RH	5-10	305	22,672	3 3	757
Harold S Musser						
83	RH	7-10	305	18,077	4 2	756
Raymond M Weaver						
33	RH	4-3	305	25,423	3 0	755
58	RH	6-1	305	19,420	3 8	747
122	RH	5-4	305	19,194	3 8	733
Jere&Leon Sensenig						
37	RH	6-10	305	19,994	3 8	752
Ferncrest Farm						
257	RH	8-1	305	19,549	3 8	752
Robert G Hershberger						
20	RH	4-10	305	16,699	4 5	752
72	RH	6-3	305	19,093	3 9	744
Henry S Lapp						
64	RH	4-5	305	22,911	3 3	751
48	RH	3-5	305	22,780	3 3	742
James W Bowman						
Marlene	GrH	3-11	281	20,929	3 6	751
Joseph Eshleman						
172	GrH	5-1	305	19,504	3 9	751
Wilmer L Shertzer						
45	RH	3-11	305	16,976	4 4	751
LeRoy S Musser						
25	GrH	6-1	305	25,598	2 9	749

(Turn to Page D15)

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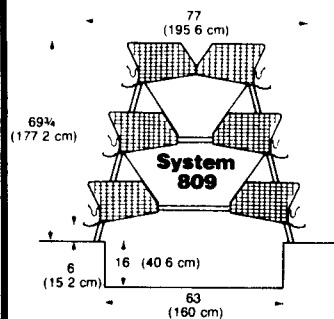


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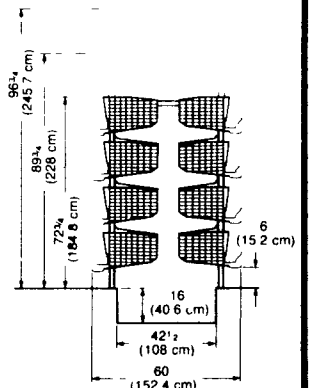


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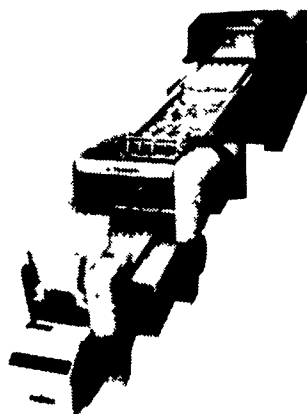
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(Continued from Page D14)

John S Nolt	Meshell	GrH	6-3	305	21,959	3.4	749
George M Hurst	12	RH	4-11	305	19,165	3.9	749
Jonas S Beiler	Linda	GrH	4-2	305	18,520	4.0	749
Emanuel B Lapp	Doll	GrH	9-9	305	23,381	3.2	747
Triple H Farm	448	GrH	8-6	305	21,234	3.5	746
CedarWood Farm	148	RH	5-1	305	22,619	3.3	745
Donald M Eckman	Peach	RH	3-5	290	18,467	4.0	745
Jacob M Conley	Rhoda	RH	4-8	305	19,286	3.9	744
Steve E Stoltzfus Jr	Floss	RH	3-0	305	18,728	4.0	744
Ammon E Reiff	Whity	RH	5-2	305	23,111	3.2	742
Jacob L Stoltzfus	38	GrH	6-11	305	21,234	3.5	740
Kreider&Munro	1	GrH	6-4	305	20,728	3.6	740
Garwood Farm	Pansy	GrH	6-2	305	22,152	3.3	736
Glenn E Burkholder	Carrie	RH	3-0	305	20,480	3.6	735
Robert C Groff	Lily 62	RH	5-6	305	21,850	3.4	734
Aaron B Lantz	Candy	RH	2-1	305	18,000	4.1	733
William P Arrowsmith	Lib Bel	RJ	6-2	305	13,949	5.2	731

OWNERS

NO. COWS

LBS. MILK

LBS. FAT

Above 650 pounds of fat

Thomas W Kelly	64.9	19460	716
Marcove Farm	67.6	19379	715
Richard R Fox & Sons	42.5	18582	709
Penn-England	89.0	18350	697
GW & RG Baker	70.9	18926	689
Clover Will Farms	141.0	19116	687
Blackcrest Farms	67.9	18252	682
Fred Bechtel	72.0	19049	676
William R England	156.6	19280	676
Over Lane Farm	68.3	18145	676
James Smith	38.2	19608	676
Dale W Hoover	35.0	18432	672
Dawn Baker	105.4	18334	672
Sheldon Fleck	72.4	17515	671
Lar Ann Farm	113.8	18133	664
Charles & Mike Hoover	97.1	18525	663
Richard Heltzel	36.8	17848	662
Mary Walters	66.6	15211	658
Raymond Diebold	35.3	18741	657
Burket Falls Farm	84.8	17502	654
Revere Smith	50.0	18463	652

Top Five Herds In Milk Production

Owner	Lbs. Milk
Gerald Burket	19,735
James Smith	19,608
Thomas Kelly	19,460
Marcove Farm	19,379
William England	19,280

Top Five Herds In Butterfat Production

Owner	Lbs. Butterfat
Thomas Kelly	716
Marcove Farm	715
Richard Fox & Sons	709
Penn-England	697
G W & R G Baker	689

Greatest Increase In Butterfat Production

Sheldon Fleck	137 Pounds
---------------	------------

Ten High Cows In Milk Production

Gerald Berket	RH	2-11	29,381
Nancy Toots	GH	5-4	28,984
Thomas Kelly	RH	7-3	28,101
Josie	RH	7-2	28,055
Charles & Mike Hoover	RH	4-10	28,012
Ivy	RH	6-0	27,852
Clover Will Farms	RH	7-8	27,757
53A	RH	4-3	27,479
Richard Fox & Sons	RH	6-1	27,471
Janice	RH	6-8	27,113
Marcove Farm			
Janel			
G W & R G Baker			
209			
Marcove Farm			
Indel			
Blackcrest Farms			
18			

Lancaster Farming, Saturday, December 3, 1983—D15

Ten High Cows In Butterfat Production

Richard Fox & Sons	RH	6-0	1201
Janice	RH	5-6	1096
Thomas Kelly	RH	6-8	1088
Beth	RH	5-9	1072
Blackcrest Farms	RH	4-1	1064
18	RH	6-3	1061
Rich-Lou Farms	RH	7-3	1047
Helen	RH	5-8	1045
Marcove Farm	RH	8-1	1041
Ida	RH	7-4	1035
Penn-England			
Marge			
Thomas Kelly			
Josie			
Rodney Metzler			
136			
Burket Falls Farm			
Sophia			
Gerald Burket			
Prunell			

Ten High Cows In Lifetime Butterfat Production

Rodney Metzler	12	210,849	8823
101	7	220,361	8284
Blackcrest Farms	9	165,361	7721
67B	7	151,792	7699
Donald G Hoover	11	198,818	7692
Marie	8	193,921	7518
Dawn Baker	10	186,718	7428
194	12	214,489	7384
Clover Will Farms	8	155,781	7346
93	10	191,483	7331
Steele Farms			
Donna			
Marcove Farm			
Tide			
Robert A Brumbaugh			
5444			
James Smith			
Robin			
Blackcrest Farms			
44B			

WASHINGTON COUNTY DHIA October Report

Owen E Martin	51	57.3	17,201	659
William H Price	68	57.0	19,583	725
Earl Grove Jr	107	56.6	18,237	655
Larry Neal Beard	45	53.6	18,493	718
Lee B Worthington	117	53.2	17,626	664
F Ernest Barnhart	87	50.3	18,817	669
Marlin Martin	42	49.7	20,116	682
Edgar Paul Pryor	96	48.0	17,060	670
Roy J Byers	26	45.3	18,331	654



Blair County DHIA Monthly Report

55th ANNUAL D.H.I.A. SUMMARY

Milk Production Per Cow - Up 31 Pounds
Number Cows on Test - Up 129 Cows
Fat Production - Down 20 Pounds

Blair County D.H.I.A. Testing Associations finished its 55th year one September 30, 1983 with 89 whole-year herds in DHIA and 7 owner-samplers

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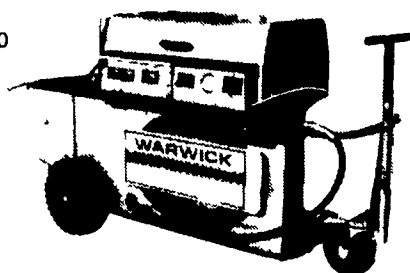
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PA. FARM SHOW, BOOTH #63

dhia

Pennsylvania Dairy Herd Improvement Association

York County

DHIA

Monthly Report

YORK COUNTY DHIA
October Report

1062 lbs BF and 30,058 lbs. milk was produced in 305 days by Amy a 4-year-old Holstein owned by Smyser's Richlawn Second high was Fancy Farms a 4-year-old Holstein who produced 1031 lbs BF and 24,211 lbs milk in 305 days, owned by Smyser's Richlawn Farms
High herd was Smyser's Richlawn, with 68 Holstein cows producing 21,542 lbs milk and 794 lbs BF Second high was Stump Acres, with 91 Holstein cows producing 19,569 lbs milk and 781 lbs BF

OWNER	BREED	NO. COWS	% DAYS IN MILK	LBS. MILK	LBS. FAT		
Smysers Richlawn Fms	3	67	9	86	6	21,542	794
Stump Acres	3	90	6	90	4	19,569	781
Lynn Wolf	3	65	8	89	9	19,796	759
Beshore Farms	3	45	0	84	6	20,203	740
Jm&Holly McCaffree	3	39	0	82	4	20,481	*734
HS&RE Fetrow	3	78	4	87	8	19,714	731
Wayne E Myers	3	42	8	85	1	19,384	726
Paul R King	3	53	1	88	8	17,805	703
David Stewart	3	110	9	89	2	19,566	701
Thomas A Boyer	3	42	1	83	9	19,018	691
Rick L Cook	B3	58	6	87	7	18,176	690
The JE Baker Co	B3	43	3	84	9	18,842	681
Mc Ral Dairy Farm	B3	153	2	90	9	18,716	676
Sinking Spring Fmnc	3	67	3	86	1	18,523	668
Earl Fuhrman	B3	83	1	86	4	17,870	660
Rineway Dairy Farm	B3	92	8	87	2	17,412	658
B Robert Charles	B3	47	5	87	9	19,047	657
Geo Knight	B3	127	6	88	1	17,639	647
Wayne B Mummert	B3	71	8	86	3	17,554	645
Lonnie Robinson	B3	39	4	95	5	16,737	643
William Myers	B3	41	1	88	2	17,318	634
William Ruppert	B3	53	5	86	1	18,004	634
Melvin R Lehr	B3	51	1	83	3	16,663	626
Fawn Meadow Holstein	B3	67	9	87	4	17,158	622
Smokey Hollow Farm	G3	33	3	88	6	17,766	619
Big T Holsteins	B3	89	1	84	3	17,121	619
Edwin L Calhoun	G3	45	4	88	0	16,778	616
Walnut Hill Farm	B3	38	2	88	4	17,010	616
Leroy Bupp	3	97	8	89	3	17,772	613
RR&MR Stewart	3	57	5	87	9	17,075	*606
Leland Stanford	B3	35	3	86	7	17,101	605
Mervin W Hertzler	2	63	2	88	9	12,589	603
Dennis J Myers	3	52	9	88	5	16,346	602
Fred Sprengle	3	45	6	85	8	17,488	601
T Edwin Johnson	3	65	4	85	1	15,746	600
C Robert Kilgore	3	50	3	88	6	17,211	600
JH&MB Hushon	B3	93	6	88	5	16,055	594
Harold Brown	3	71	7	83	6	15,919	592
Double D Farm	B3	93	8	83	1	15,999	591
Rutter Bros	2	81	1	87	2	12,098	591
Gum Tree Farm	3	43	3	90	4	17,059	590
Ellis Crowl	B3	102	5	86	3	16,816	583
George Innerst&Sons	B3	70	7	86	3	15,664	581
Walkers Farm	B3	73	2	87	0	15,993	578
J Donnell Taylor	B3	115	2	85	6	16,185	578
Daryl L Bair	G3	37	8	88	1	16,789	575
David L&Chris Druck	B3	72	7	82	0	17,990	575
Honeycrest Fm	B2	102	1	87	3	13,586	573
Titus Walker	G8	37	2	86	2	15,573	572
Rodman C Thompson	3	67	2	83	1	16,018	572
Elvin G Molison	B3	147	6	83	3	15,983	568
Kenneth L Rexroth	B3	138	9	89	0	15,190	566
John C Krone	B3	40	4	85	8	15,655	562
Phillip D Laughman	3	28	9	84	8	15,724	561
William H Fantom	B3	66	1	85	1	15,289	561
Robert W Mays	B3	62	8	87	5	16,265	559
Eisenhart Bros	B3	78	7	86	5	15,029	557
Wayshar Farm	B3	91	9	86	9	14,763	556
Robt Baumgardner Jr	B3	57	2	83	8	15,417	556
Hidden Springs Farm	B8	92	8	83	7	14,380	554
Cool Branch Farm	B3	83	4	87	6	14,722	549
Elwood T Krick	B3	83	8	91	7	14,666	545
Dale L Barshinger	B3	43	4	86	2	15,117	543
Desota&Robt Burchett	B3	104	1	87	1	14,768	543
Furnace Creek Farm	3	108	2	86	1	14,621	539
Eugene B Taylor	B3	44	4	87	7	14,658	539
Deal Holsteins Farm	B3	111	5	86	3	14,039	534
My-T Farms	B3	49	3	84	2	14,224	534
Leroy Hertzler	B3	30	7	86	0	14,119	530
Ramsey S Cooper Jr	B3	52	8	85	5	14,528	529
Horace E Heindel	B3	130	2	81	8	15,915	*526
David V Thompson	B8	68	5	81	8	14,312	525
R&M Farms	G3	41	5	83	5	13,744	525
Barrens View Fm	B3	61	7	88	0	14,470	524
Richard E Stough	B3	37	0	88	8	14,701	523
Gary W Thoman	3	47	9	87	1	14,698	521
Philip R Stambaugh	3	62	2	88	7	14,463	519
Albert Neufeld	B3	125	5	86	1	14,535	519
Palmer McWilliams Jr	B3	39	8	86	1	14,498	517
Albert Dehoff	B3	147	9	86	9	14,424	516
Perrydell Farms	G3	176	6	86	4	14,346	515
Doug&Gene Kilgore	B3	63	8	83	6	13,867	514
Fred Kimmel	B3	15	6	85	5	14,642	512
Keith A Shaffer	3	46	0	85	9	13,721	512
David M Emig	B3	59	5	82	6	12,455	511
Jacob Brubaker	G3	52	2	89	7	13,934	510
James W Miller	3	84	2	89	7	14,396	509
Donald Lanus	B2	92	4	84	0	10,765	507
John D Adams	B3	78	5	85	6	14,269	506
Walter L Amstutz	B3	44	6	87	9	14,543	504
John P Bortner	B3	28	5	85	8	13,406	503
Newbury Farm-D Shenk	G3	42	4	85	4	13,229	503
Richard Staner	B2	52	7	87	8	11,408	500
Geo Knight							

Warm back on a cool night



OWNER NAME OR NO.	BREED	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Squirt	3	8-1	305	18,300	3.3	603
Diane	3	8-1	305	16,065	4.0	646
14	3	7-2	305	18,546	3.8	706
Ruby	3	6-10	305	18,361	4.0	737
Trixy	3	6-11	305	21,376	3.9	844
39	3	6-5	299	17,152	3.4	578
111	3	5-11	275	15,345	4.3	654
ET15	3	4-11	305	21,392	3.8	817
47	3	6-0	305	18,304	3.8	689
77	3	4-2	305	21,771	3.3	727
ET-55	3	3-9	305	17,830	3.2	575
ET-52	3	3-11	305	18,230	3.3	604
Ella-J	3	2-11	305	18,848	4.1	774
22	3	4-1	305	18,472	4.4	820
46	3	5-0	305	20,270	4.3	880
ET-128	3	2-5	305	15,921	3.7	590
ET-112	3	2-8	305	15,318	4.0	620
ET-93	3	3-0	305	16,817	3.6	610
ET-121	3	2-6	305	18,163	3.7	676
ET-123	3	2-3	305	15,149	4.4	673
ET-136	3	2-3	305	19,266	3.4	656
ET-143	3	2-1	305	12,703	4.2	528
ET-50	3	2-3	275	16,446	4.1	676
William H Fantom						
Angie	3	5-4	305	18,027	3.5	638
Brenda	3	3-2	305	18,463	3.2	583
Donald Lanus						
Amy	2	9-3	270	11,007	4.9	537
Greta	2	8-11	305	10,439	5.0	527
Jan	2	5-11	305	11,426	4.8	551
Dottie	2	5-10	305	10,159	5.1	515
Princes	2	4-11	305	14,456	4.2	607
Cina	2	4-10	305	12,034	5.5	657
Lucy 2	2	4-1	305	12,810	4.7	600
Glory	2	3-2	305	11,230	5.1	569
Shelia	2	2-3	305	11,781	4.6	539
Rutter Bros						
Lav	2	9-2	305	13,135	4.0	528
Pearlett	2	6-4	299	14,157	5.1	724
Babe	2	8-9	305	13,520	5.2	709
Page	2	5-6	227	11,840	4.6	540
Buffy	2	3-7	305	14,660	4.3	624
Beshore Farms						
Louise	3	7-3	305	24,557	3.9	957
Linnan	3	2-0	305	17,946	4.2	753
Leroy Hertzler						
Matty	3	6-10	305	17,529	3.7	643
Sally	3	4-3	305	15,167	3.7	561
Marie	3	3-1	270	13,909	3.6	505
Harold Brown						
Kristi	3	10-1	305	19,854	4.2	835
Korine	3	5-5	290	17,769	4.5	792
Gum Tree Farm						
Whizzer	3	9-2	305	18,062	4.1	732
Abby	3	7-4	280	15,790	3.8	595
Frisky	3	2-1	305	17,383	3.6	621
Profi	3	2-3	305	16,411	3.5	582
Elwood T Krick						
Baby	3	9-10	305	14,552	3.8	549
Joy	3	6-4	290	16,312	4.1	661
Ruth	3	6-2	305	17,871	3.4	612
June	3	3-6	305	12,656	4.1	513
Betsy	3	2-0	305	14,001	4.0	557
The JE Baker Co						
61	3	6-0	281	23,318	2.6	611
21		5-5	270	18,022	3.4	621
Fred Sprengle						
Flash	3	9-1	305	16,680	3.3	558
Dusty	3	6-11	305	19,488	3.4	660
Ness	3	4-3	278	15,920	3.6	567
Princes	3	3-9	305	19,587	3.3	647
Stump Acres						
Rita	3	10-11	305	21,741	4.3	928
Rose	3	5-4	305	21,672	2.5	543
Friday	3	2-11	305	17,526	3.8	673
Penny	3	5-11	211	14,958	4.2	631
Eve	3	1-11	305	15,135	3.9	585
Rineway Dairy Farm						
77	3	8-10	305	20,178	3.9	794
178	3	7-1	305	22,287	3.6	796
210	3	5-2	305	23,093	3.5	801
232	3	4-2	305	20,591	3.8	788
262	3	3-5	305	18,517	3.5	656
312	3	2-4	300	15,096	4.2	638
RR&MR Stewart						
Ginger	3	5-7	248	18,522	3.6	673
Polyana	3	5-1	273	17,269	3.3	573
Jody	3	3-7	262	17,772	2.8	501
Smysers Richlawn Fms						
Deb	3	5-1	305	24,559	3.5	855
Amy	3	4-10	305	30,058	3.5	1062
Joy	3	4-9	305	28,003	3.4	947
Fancy	3	4-0	305	24,211	4.3	1031
Della	3	2-0	305	20,760	3.6	748
Hidden Springs Farm						
Heather	3	9-7	305	20,358	3.7	751
Robina	3	5-0	289	14,015	3.9	553
Nanine	3	5-1	271	16,887	3.9	667
Opra	3	3-11	291	15,898	3.8	607
Houston	3	2-11	305	16,677	3.2	

York Co. DHIA

(Continued from Page D16)

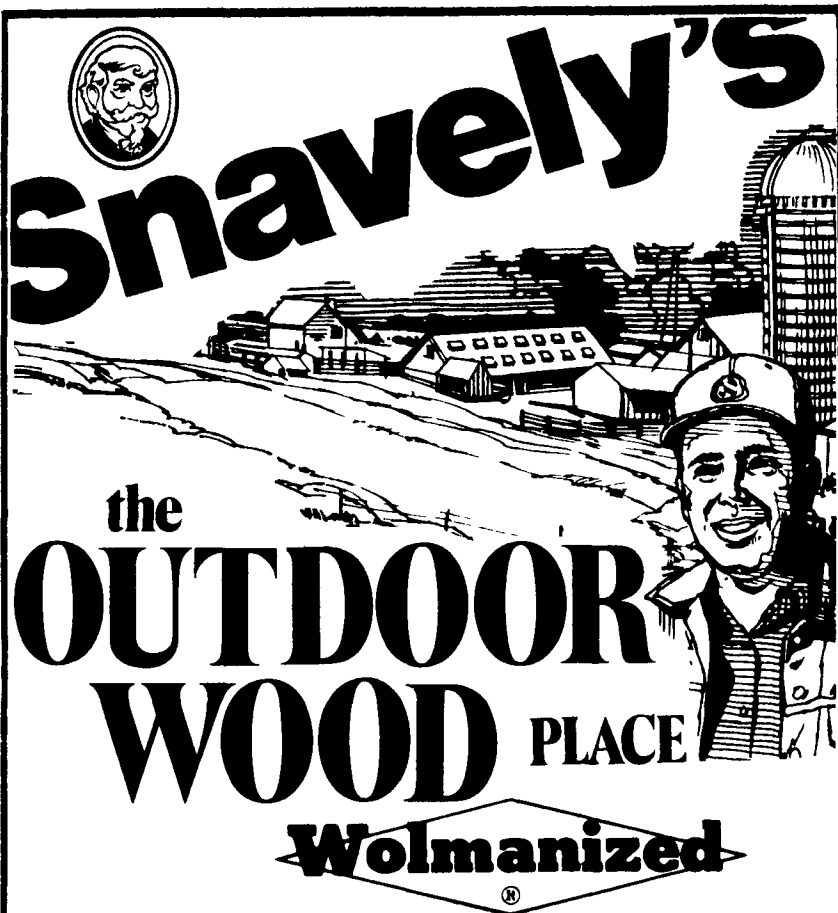
Desota&Robt Burchett					
128H	3	6-2	305	16,375	3.5 579
97H	3	5-8	305	16,177	3.5 559
31	3	1-8	305	13,395	4.0 536
32	3	2-4	303	13,606	3.7 502
Dale&Darla Doll					
Anita	3	5-4	305	19,291	2.7 526
Star	3	3-1	305	14,412	3.6 516
Violet	3	3-1	305	13,325	4.3 573
Lynn Wolf					
Jackie	3	3-11	302	19,155	4.1 784
Karma	3	2-1	305	19,407	3.8 728
Lita	3	1-10	305	14,850	3.8 564
Melvin R Lehr					
2	3	2-2	305	15,095	4.0 609
64	3	2-6	305	18,987	3.7 707
Wayshar Farm					
Kelly22	3	8-7	305	21,233	3.9 820
132	3	3-2	305	14,939	4.0 595
GIHolly	3	2-11	305	17,610	4.3 751
Jane	3	4-7	305	16,573	3.7 625
1 Ann	3	3-1	305	13,809	3.8 522
Rhonda	3	2-0	305	12,633	4.0 500
Donald Wilson					
51	3	5-8	305	17,144	3.7 631
Richard E Stough					
Ginger	3	5-8	305	18,215	3.5 634
Rachel	3	5-5	305	16,605	3.5 585
Cookie	3	4-2	305	20,059	3.1 624
Missy	3	3-8	305	18,373	3.3 604
Granny	3	2-11	305	16,692	3.0 501
J Donnell Taylor					
Dusty	3	7-2	305	23,225	3.3 776
Joy	3	5-8	272	16,763	3.6 599
Barrett	3	3-2	305	17,876	3.7 654
Bupplynn Farms Farm2					
62	3	6-1	305	16,566	3.8 626
Ella	3	4-6	305	15,831	3.8 592
95B	3	4-0	305	16,151	3.3 532
Buelah	3	2-0	305	13,787	3.6 503
Elvin G Molison					
71	3	7-10	272	17,805	3.9 701
94	3	7-2	305	18,570	3.3 610
23	3	6-9	305	19,764	3.7 736
123	3	4-4	305	19,499	3.4 663
145	3	4-0	305	19,125	3.2 605
210	3	1-11	305	15,008	4.2 637
206	3	1-11	305	13,715	3.7 514
Daryl L Bair					
7	3	7-4	305	20,327	3.3 678
Dolly	3	7-3	305	20,741	3.5 721

Connie	3	7-3	305	17,159	3.6 625
Voni	3	5-1	305	21,811	3.2 695
Betty	3	4-5	305	18,829	2.9 552
Andrea	3	2-3	305	14,945	4.0 597
Mervin W Hertzler					
Melody	2	4-3	305	12,778	4.6 582
Darcy	2	3-5	305	12,304	4.7 575
Fonda	2	3-4	305	16,634	4.1 674
Harriet	3	3-3	302	12,339	4.9 606
B Robert Charles					
Avis	3	8-4	209	15,210	3.4 511
Dafodil	3	6-0	214	14,139	3.7 527
Dandy	3	5-0	305	21,006	2.7 561
Elizabeth	3	4-5	305	23,942	3.6 873
R&M Farms					
47	3	4-5	305	17,047	4.7 800
49	3	3-3	305	16,673	3.4 568
75	3	2-11	275	11,435	4.5 511
Edwin L Calhoun					
Clown	3	2-6	305	16,334	3.5 565
Eugene B Taylor					
Kim	3	5-6	305	16,825	4.5 754
Robert W Mays					
10	3	5-2	305	17,309	4.4 757
9	3	3-2	305	17,377	4.2 550
17	3	3-3	305	19,968	3.2 631
Robt Baumgardner Jr					
13	3	5-4	305	20,081	3.5 699
Betty	3	3-10	250	14,032	3.9 544
Charles Hess					
137	3	6-5	258	13,591	4.1 558
189	3	7-4	305	13,389	3.9 523
27	3	6-3	305	17,173	3.5 602
6	3	7-1	305	12,483	4.1 511
151	3	4-0	305	14,956	3.6 545
157	3	3-11	305	14,753	3.7 551
55	3	4-1	295	18,839	3.0 556
81	3	3-1	305	18,412	2.9 535
Walkers Farm					
204	3	6-1	305	16,792	3.9 647
410	3	8-2	287	15,927	3.9 626
11	3	4-1	305	17,680	3.5 610
24	3	3-2	305	21,031	3.1 655
Perrydell Farms					
2	3	5-1	305	17,889	3.7 664
46	3	5-1	300	16,798	3.8 642
98	3	5-1	305	15,774	4.4 689
9	3	3-2	272	14,313	4.4 625
208	3	3-2	284	16,139	3.9 633
222	3	2-1	305	13,452	3.8 513
146	3	2-2	285	15,362	3.7 564
148	3	2-1	305	12,410	4.1 507
William Druck Jr					
60	3	8-1	305	18,386	3.1 568
10	3	4-5	305	18,438	3.2 587
121	3	4-3	305	20,993	2.5 524

Lancaster Farming, Saturday, December 3, 1983—D17

David Stewart					
Fay	3	12-11	290	23,039	3.5 817
Andy	3	9-4	293	19,668	2.9 562
Beryl	3	7-4	182	13,341	3.7 500
Gwen	3	7-0	305	24,110	3.5 841
Fern	3	7-6	251	14,728	3.9 569
Mazie85	3	6-2	305	23,879	3.0 723
Alisa	3	4-9	305	22,035	3.1 689
Hedda	3	5-1	305	23,362	3.7 853
Richard Staner					
Linda	2	5-7	305	12,995	4.4 576
Meknes	2	9-8	305	10,935	4.7 509
Pgayety	2	7-9	305	12,629	4.4 554
N Nora	2	4-2	305	12,271	4.7 574
Francne	2	2-2	305	10,675	4.7 500
Fawn Meadow Holstein					
13	3	7-1	279	17,161	2.9 505
32	3	4-7	305	16,123	3.9 634
66	3	4-1	287	19,803	3.4 671
38	3	3-9	305	23,659	3.7 874
114	3	3-3	295	19,645	3.3 640
140	3	3-4	305	15,798	4.1 654
My-T Farms					
2	3	8-1	305	15,276	3.3 501
11	3	8-2	283	17,926	3.6 643
30	3	7-1	305	17,512	3.8 665
David Gemmill					
62	3	4-2	305	16,544	3.6 602
112	3	0-0	305	15,703	3.4 532
58	3	0-0	305	20,884	3.1 649
113	3	4-10	286	16,046	3.9 630
732	8	0-0	278	11,943	4.2 500
132	3	0-0	304	19,397	3.1 607
Double D Farm					
D-69	3	8-2	305	20,114	3.8 773
D-144	3	0-0	305	19,117	3.5 675
Dale Clymer					
Janice	3	7-5	305	13,652	3.9 538
Patty	3	5-2	299	14,769	3.5 515
Peggy	3	3-3	305	16,375	3.5 566
Erica	3	4-2	305	16,603	3.4 567
Deal Holsteins Farm					
98	3	4-4	305	15,760	4.3 671
154	3	7-1	305	14,084	3.9 543
191	3	7-3	305	14,733	3.5 520
211	3	6-9	305	15,190	4.4 668
166	3	3-1	305	14,166	4.0 561
160	3	2-10	305	13,338	4.1 546
159	3	2-9	305	12,375	4.2 521
Arthur L Kilbourne					
Mandy	3	4-2	305	19,624	3.1 608
Barrens View Fm					
Faye	3	3-11	254	15,386	3.8 578
Molly	3	6-11	305	20,536	3.6 738
45	3	6-1	279	14,275	3.5 501
Polly	3	4-1	305	15,186	3.4 510
Jessie	3	4-2	273	13,768	3.7 504
John P Bortner					
5	3	5-3	305	17,907	3.7 664
Keith A Shaffer					
Sallie	3	6-9	286	15,119	4.0 610
George Innerst&Sons					
7	3	6-8	305	15,923	3.6 572
Walter L Amstutz					
Marilyn	3	3-11	299	18,720	2.9 538
Jolly	3	3-4	305	19,286	3.5 678
Newbury Farm-D Shenk					
22	3	5-1	303	18,433	3.5 649
William Myers					
Bonny	3	7-9	305	19,329	4.0 764
Peggy	3	6-8	295	18,069	3.5 629
Fanny	3	5-6	305	21,540	4.0 854
Belle	3	4-11	305	16,844	3.6 598

(Turn to Page D18)



Snavelly's

the OUTDOOR WOOD PLACE

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Wolmanized pressure-treated wood and Outdoor wood have built-in chemical protection that provides resistance to decay and termites. This material has been pressure-impregnated with Koppers Wolman® CCA wood preservative which meets or exceeds federal, state and industry specifications for this type of wood preservative. The chemicals are fixed in the wood and, although toxic to termites and fungi, they are not present in sufficient quantity to be toxic to animals.

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- **SDR 35 PIPE** - 4", 6", 8", 10", 12", 15", 18" Sizes
- **CORRUGATED METAL PIPE** - 8", 10", 12", 15", 18", 24", 36" Sizes
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Sulbra
DHIA
Monthly
Report

SULBRA COUNTY DHIA
October Report
Rolling Herd Averages - (650 lbs. Butterfat And Over)

OWNER	BREED	NO. COWS	% DAYS IN MILK	LBS. MILK	LBS. FAT
Raymond Norconk	3	41.4	86.8	18,260	705
Dennis-Vickie Boyd	3	30.4	90.0	20,792	696
William Hottenstein	3	49.6	83.8	18,546	680
Geo&Wm Lambert	3	115.8	89.8	18,300	679
Ronald Hembury	3	70.1	86.8	17,457	659

Completed Lactations Of 750 Pounds Or More Of Butterfat

OWNER NAME OR NO.	AGE	DAYS IN MILK	LBS. MILK	LBS. FAT
Richard R Higley				
Dottie	3	5-4	305	26,494 1085
Darlene	3	5-9	305	22,662 843
Raymond Norconk				
Bunny	3	7-0	305	20,673 872
Safrona	3	8-2	305	22,247 862
Wendy	3	8-5	305	20,085 828
Lorene	3	4-2	305	20,040 764
William B Hart				
11Y	3	7-1	305	21,924 862
Earl&James Warburton				
Jane	3	6-10	305	22,220 790
Jean	3	5-10	305	21,646 784
Joette	3	4-5	305	21,459 755

SULBRA COUNTY DHIA
1983 ANNUAL REPORT
From October 1, 1982 to
September 30, 1983

The Association closed its 60th year September 30, 1983 with the average for the 1211 cows producing 14,830 pounds of milk and 546 pounds of butterfat. There were 23 full year herds on test in 1983. In addition, there were 5 Owner Sampler herds completing the full year.

600 No. Eat & Over (8 herds)				
Avg	17,893	666	86.4	577
High	20,792	708	90.0	680
Low	16,109	634	81.4	501
500-599 No. Eat (8 herds)				
Avg	15,342	550	86.0	495
High	16,604	583	87.8	563
Low	14,225	507	81.5	463
Under 500 No. Fat (7 herds)				
Avg	10,743	403	82.0	350
High	13,450	492	85.7	439
Low	7613	296	78.1	234
Raymond Norconk	3	41.3	86.9	18,257 708
Dennis-Vickie Boyd	3	30.4	90.0	20,792 696
William Hottenstein	3	49.6	83.8	18,546 680
Geo&Wm Lambert	3	115.8	89.8	18,300 679
Ronald Hembury	3	70.1	86.8	17,457 659
William Hottenstein				
Alita	3	4-6	305	26,497 1061
Ronald Hembury				
Posey	3	9-3	305	22,468 1030

SPECIAL OFFER

Schlessman's Seed Corn ordered and paid for in December will receive
5% DISCOUNT

PREMIUM SINGLE CROSSES

- **SX-725** - New Improved Standability, 112 Days, Excellent Yield
- **SX-650** - High Yielding, Good Standability, 110 Day, Short Stalk - Imbred Used In This Cross Was Most Wanted Across U.S. By Most Seed Companies.
- **SX-810** - High Yielding Good Standability, 118 Days
★ Resistant to Carbona Race 3 Disease
- **SX-405A** - Short Season, High Yield Potential 100 Days
★ Top 3 For The Past 3 Years At Penn State Trials
- **SX-525 Will Replace SX-520A** With Better Standability - First Year In Trials, Placed Third, Class 2 105 Days.

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Richard R Higley
Gerry
Dennis-Vickie Boyd
Magic
Raymond Norconk
Pam
Richard R Higley
Nuluck
William Hottenstein
Jane
Richard R Higley
Keen
William Hottenstein
Melanie
Geo&Wm Lambert
Candy

The 10 Top Producing Cows By Milk Are Reported Here:

Dennis-Vickie Boyd
Magic
Geo&Wm Lambert
Bambi
William Hottenstein
Beth
William Hottenstein
Martini
William Hottenstein
Alita
Dennis-Vickie Boyd
Ellen
Dennis-Vickie Boyd
Birch
Earl&James Warburton
Rachael
Earl&James Warburton
Melinda
Earl&James Warburton
Colleen

The 10 Top Producing Cows By Protein Are Reported Here:

Dennis-Vickie Boyd
Magic
Dennis-Vickie Boyd
Ellen
Dennis-Vickie Boyd
Birch
William Hottenstein
Alita
Dennis-Vickie Boyd
Camy
Earl&James Warburton
Tilda
Geo&Wm Lambert
Bambi
Geo&Wm Lambert
Twinkle
Geo&Wm Lambert
Candy
Geo&Wm Lambert
Molly

3	9-7	305	22,575	1003
3	7-0	305	28,143	974
3	6-8	302	22,683	956
3	9-4	305	22,474	942
3	10-2	305	24,684	938
3	4-1	305	24,295	933
3	5-5	305	19,932	933
3	9-8	305	24,595	929
3	7-0	305	28,143	974
3	5-4	305	27,176	883
3	6-1	305	27,080	783
3	6-7	305	26,629	805
3	4-6	305	26,497	1061
3	3-7	293	26,451	883
3	4-5	305	26,445	770
3	3-7	305	25,357	804
3	4-1	305	25,827	760
3	4-2	305	25,644	817
3	7-0	5	305	920
3	3-7	2	293	911
3	4-5	3	305	908
3	4-6	3	305	867
3	6-7	5	305	848
3	6-7	4	305	831
3	5-4	4	305	817
3	3-3	2	305	805
3	9-8	8	305	794
3	6-3	5	305	787

York Co. DHIA

(Continued from Page D17)

Dan&Patti Hushon	3	4-6	294	19,720	2.8	555
Koral	3	2-6	305	14,209	3.5	500
Pat	3	2-5	305	15,269	3.8	575
Hope12	3	2-3	305	16,591	3.6	599
High11	3	6-0	191	11,880	4.2	502
Lillian	3					
Coredale Too Dairy	3	1-11	295	12,793	4.2	543
Kirou	3	1-11	291	11,280	4.1	459
Lea	3					
David M Emig	3	7-1	305	16,937	3.6	609
41	3	7-1	255	10,906	5.1	551
23	3	5-10	305	19,135	3.7	717
26	3	5-0	305	15,050	4.6	686
32	3	2-11	305	16,148	3.5	568
97	3	4-1	305	22,134	3.5	779
127	3					
McRat Dairy Farm	3	5-8	305	25,614	4.0	1014
468	3	5-6	305	18,163	4.0	723
484	3	4-1	305	20,017	3.4	690
137	3	3-3	296	17,924	4.0	721
172	3	3-3	305	18,806	3.8	707
188	3	2-11	305	16,026	3.5	565
189	3	3-1	305	23,940	2.8	680
194	3	2-11	305	20,667	3.0	624
200	3	2-8	305	20,039	3.5	702
214	3	2-7	305	18,675	3.6	669
215	3	2-8	305	18,927	3.8	722
216	3	2-6	305	17,889	4.1	730
217	3					
William Ruppert	3	11-4	285	14,500	3.9	565
Jennie	3	8-3	277	15,111	4.2	637
Glow	3	8-7	305	20,808	3.7	776
Red	3	4-2	303	19,155	3.0	580
Donna	3	7-5	257	15,010	3.6	540
Bonnie	3	5-7	305	22,888	3.2	722
Nick	3					
Eisenhart Bros	3	5-0	291	17,665	3.5	617
277	3	4-1	268	11,148	4.6	510
304	3	4-1	305	18,782	3.6	684
301	3	3-5	305	17,717	3.3	584
321	3	3-9	305	15,712	3.7	585
308	3	2-2	305	15,942	3.6	568
353	3					
Wayne E Myers	3	14-9	261	16,272	3.5	569
Jenny	3	10-4	305	24,534	3.4	825
Nat	3	5-1	305	20,802	3.5	735
Melody	3	5-1	305	27,949	3.7	1021
Vicky	3	3-0	305	18,375	3.8	691
Ginny	3	2-0	305	17,788	3.5	618
Valerie	3	1-11	305	20,582	3.4	706
Gretchn	3	2-1	305	19,054	3.5	658
Star	3					

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CUMBERLAND
COUNTY
DHIA
Monthly
Report

CUMBERLAND COUNTY DHIA
September, 1983

A total of 11,857 cows in 188 herds were on production testing in September according to Duane G. Duncan, County Agent. Of the 159 herds on DHIA, 27 herds has an average fat production of 600 pounds. During the month 216 completed their 305 lactation with 650 lbs. of butterfat

The following are the highest of actual butterfat in 305 days or less in the county during the month. The age listed is her age at the time of freshing

OWNER NAME OR NO.	BREED	AGE	LBS. MILK	LBS. FAT
J David Martin Tracy	GH	7	25,829	1053
J David Martin Beulah	GH	5	23,481	993
Stanley Reinford 87	GH	5	28,340	984
Carl Kelso, Jr 23	RH	6	22,594	932
Ashcombe Dover Dairy R47	RH	5	26,215	926
Ashcombe Dover Dairy 311	GH	7	19,635	909
Sundays Vallilea Farms 27	RH	4	22,562	908
Sundays Vallilea Farms 52	RH	3	20,958	901
Ashcombe Dover Dairy 355	GH	7	27,310	892

Lee G Davidson
Vigo
Fred B McGillvray
Eden
Carl Kelso Jr
41
Ashcombe Dover Dairy
R270
Daniel L Martin Jr
29
Berkheimer Farms
26
J David Martin
Janet
Oscar Nealy & Sons
71
Sandrod Farms
89
Ashcombe Farms
284
Leroy Chestnut
Hattie
Ashcombe Dover Dairy
39
Ed Brackbill & Yost
70
M Thomas Sheaffer
Penny
Ashcombe Farms
310
Paul O Dyarman
Fritz

NAME
Ferman L Landis
Carl Kelso Jr
Ashcombe Dover Dairy
Sundays Vallilea Farms
Berkheimer Farms
M Thomas Sheaffer
J David Martin
Ashcombe Farms
Samuel D Shenk
Donald M Leatherman
Nevin Shughart
Donald & Dave Lehman
Paul Strock
Thrush Brothers
Elmer Gettle
Norman Hertzler

RH	7	19,241	888
RH	3	19,469	884
GH	4	26,002	877
RH	7	21,576	877
GH	4	22,495	876
GH	5	19,927	866
RH	3	20,046	855
RH	4	22,306	852
GH	6	20,173	850
GH	8	21,889	849
RH	3	23,038	846
GH	5	26,341	844
RH	5	21,231	842
RH	13	23,072	833
RH	5	22,476	832
RH	8	20,055	830

BREED	NO. COWS	% COW DAYS IN MILK	LBS. MILK	LBS. FAT
B3	40	88	17,561	691
B3	56	90	18,965	676
B3	264	87	19,374	675
B3	158	89	19,633	673
B3	145	86	18,161	671
3	57	85	18,937	665
B3	41	88	17,826	665
B3	265	85	18,807	662
B3	60	87	17,915	652
B3	36	88	17,568	646
B3	32	87	18,354	644
3	68	87	18,078	644
3	125	88	17,959	642
3	107	85	17,054	634
B3	49	88	16,488	634
3	36	87	17,820	631

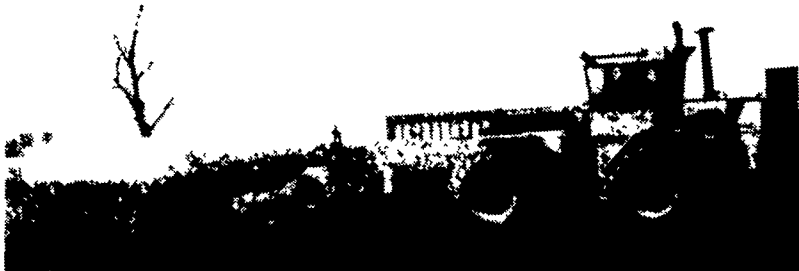
Lancaster Farming, Saturday, December 3, 1983-D19

Marlin Miller & Sons	B3	47	87	17,635	624
Alfred Gaisler	B3	44	89	17,868	622
John E Lapp	B3	43	86	17,593	621
Paul B Sensenig	B3	37	86	16,823	620
Lee G Davidson	3	58	89	16,734	618
Fred B McGillvray	3	34	89	16,278	614
Clifford Chamberlin	3	43	83	16,473	613
Christ-Barbara Lapp	B3	35	83	16,270	613
Robert & Donald Strock	3	100	89	16,811	612
J Shephard Wolff	3	51	87	16,455	608
Herbert B Shughart	3	27	89	17,166	604

OWNER NAME or NUMBER	AGE	LBS. MILK	% FAT	LBS. FAT
Otto Brothers 14	6	18,254	4.5	813
62	7	14,708	4.9	728
Mark A Naugle Sparkle	6	19,147	3.6	693
Robert & Donald Strock Leah	7	17,137	4.1	706
Victoria	4	19,860	3.8	756
Norman Hertzler Satin	6	17,398	4.0	692
Delmer E Cornman Maxine	8	18,844	3.6	682
Sundays Vallilea Farms 145	7	22,720	3.2	734
27	4	22,562	4.0	908
52	3	20,958	4.3	901
404	3	22,763	3.2	732
240	3	21,597	3.4	734
419	2	20,277	3.2	659
68	1	17,789	3.8	676
150	1	18,224	3.7	673
JB Brymmer & Sons 277	6	21,366	3.3	710
311	5	17,028	4.0	678
339	4	18,120	3.6	651
352	3	19,193	3.8	720
362	4	19,194	3.5	670
407	3	19,398	4.0	784
408	3	22,109	3.3	722
Ashcombe Farms 284	8	21,889	3.9	849
370	6	29,757	2.8	829
376	6	23,944	3.2	768
225	5	25,240	3.1	795
310	5	22,476	3.7	832
322	5	20,406	3.7	760
355	5	17,753	3.9	701
105	4	22,904	3.4	775
317	3	19,093	3.5	664
145	2	19,124	3.7	705
Lee G Davidson	7	19,241	4.6	888
Vigo	4	20,371	4.1	827
Crest	2	17,006	4.2	706
Rummy				
Galen & Linda Smith Pastell	5	19,949	3.5	689
Goldie	3	21,397	3.4	722
She	2	19,194	3.5	679
Thrush Brothers 26	6	20,561	3.2	658
85	6	21,550	3.5	756
110	5	21,937	3.2	709
54	5	19,367	3.6	699
24	4	21,542	3.6	781
107	4	17,261	4.2	722
65	4	20,427	3.5	719
17	3	15,866	4.3	678
78	3	21,685	3.2	699
68	2	16,547	4.2	688

(Turn to Page D20)

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- ★ Equipped To Apply N-Serv.

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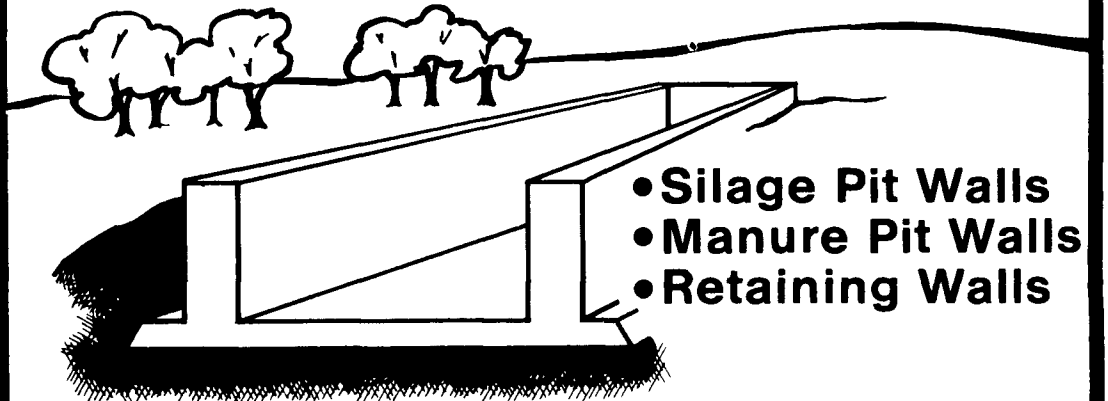
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Cumberland Co. DHIA

(Continued from Page D19)

Roy L&James Miller	6	21,572	3.1	667	R192	2	16,812	4.3	728	Carol	4	19,012	3.6	675
20	5	18,298	4.0	731	R193	2	16,819	4.3	731	Lisa	4	18,758	3.7	700
22	6	18,935	3.5	657	R194	2	17,618	3.9	691	Tracy	7	25,829	4.1	1053
Donald&Dave Lehman	5	19,635	3.7	736	Leroy Showaker&Son	5	18,613	3.8	699	Janet	3	20,046	4.3	855
18	4	16,870	4.2	714	Lass	4	18,074	3.9	698	Shelly	3	19,689	3.9	764
Paul Strock	6	23,722	3.4	814	Nelly	4	18,561	4.4	812	Daniel R Ocker	5	16,940	4.7	795
Louise	4	16,260	4.6	751	Emma	4	19,395	3.5	686	99	5	16,465	4.0	656
Stephan	4	19,339	3.8	732	Lucy	3	18,755	3.5	653	79	3	15,039	4.3	650
Snapper	4	19,870	3.6	725	John F Stamy, III	6	18,838	4.0	749	Raymond M Burkholder	1	14,668	4.5	659
Mariglo	2	19,549	3.9	756	91	4	26,002	3.4	877	19	5	19,281	3.7	707
True	2	20,055	4.1	830	Carl Kelso Jr	3	19,327	3.7	712	Stanley Reinford	5	28,340	3.5	984
Skipper	2	21,639	3.4	730	17	6	22,594	4.1	932	16	3	20,068	3.3	653
Paul O Dyarman	8	16,756	4.2	706	41	4	20,307	3.6	731	87	4	19,948	3.4	672
Fritz	8	16,880	3.9	657	70	3	23,553	3.0	696	107	3	18,757	3.9	737
Nig	9	23,224	3.4	783	23	3	20,437	3.7	762	125	6	20,174	3.7	747
Tammy	6	15,044	4.4	658	John E Lapp	8	19,627	3.5	689	182	6	18,182	4.0	733
Amie	4	20,904	3.9	807	Lady	5	18,237	4.0	731	229	5	17,972	3.7	666
Shellie	4	17,650	4.7	828	Lulu	5	19,492	4.1	794	242	4	19,459	3.4	653
Megan	4	16,708	4.4	731	Hattie	4	17,793	3.9	702	49	5	19,187	4.2	812
Harry&Paul Hock	5	17,575	4.0	703	Chester C Weaver	3	23,038	3.7	846	269	4	16,058	4.1	659
Penny	4	17,744	3.8	680	Ebony	7	18,262	3.9	717	Christ-Barbara Lapp	5	16,871	4.0	679
Fleta	4	15,231	4.3	661	Sandy	5	18,808	4.2	783	Katie	5	17,245	4.0	684
Lyd	3	17,959	4.2	752	Pansy	4	16,730	4.3	713	Rhoda	2	15,663	4.5	705
K Hale&J Reese	3	22,084	3.6	791	Samuel D Shenk	3	18,435	3.7	689	Ada	5	20,340	3.4	690
Rebecca	5	16,886	4.3	725	Millie	6	21,530	3.3	709	Sharon	4	20,727	3.3	677
Lydia	3	18,023	4.0	724	Sandrod Farms	6	20,173	4.2	850	Glenn Newswanger	6	16,554	4.1	683
Opheia	3	18,066	3.3	696	61	8	17,266	3.8	656	Ed Kathy Kuntzelman	4	18,780	3.5	662
Paul E Pfeffer&Son	9	17,481	3.9	686	89	6	22,102	3.1	688	Ed Brackbill&Yost	5	18,943	3.5	658
Patsy	4	22,306	3.8	852	Oscar Nealy&Son	4	22,306	3.8	852	R20	5	21,231	4.0	842
Elmer Gettle	4	21,552	3.3	708	184	6	21,552	3.3	708	70	8	21,907	3.1	686
Alice	5	19,927	4.3	866	71	5	19,927	4.3	866	M Thomas Sheaffer	6	18,317	4.2	765
Fran	3	23,252	3.1	730	Berkheimer Farms	5	23,252	3.1	730	Madame	13	23,072	3.6	833
Milly	6	23,417	3.3	780	12	6	23,417	3.3	780	Penny	5	21,574	3.2	684
D Clinton Sauder	5	19,996	3.3	659	26	5	19,996	3.3	659	Tillie	7	20,918	3.5	726
Sunny	4	19,279	4.0	774	31	2	19,279	4.0	659	Robert-Margaret Smith	5	17,567	4.5	796
Bertha	3	16,615	4.0	659	Glenn W Myers	8	24,400	3.0	734	Pat	5	20,972	3.4	719
Grace	10	20,710	3.5	721	Doris	7	25,969	2.7	700	Edie	7	22,344	3.0	672
Fred B McGillvray	5	13,479	5.1	681	Elsie	5	15,167	4.8	722	Donald M Leatherman	5	20,147	3.4	675
Karen	4	15,167	4.8	722	Ethel	4	13,190	5.1	678	Midget	10	20,100	3.5	708
Eden	3	19,526	3.6	708	Audrey	11	19,083	3.8	718	31	3	18,055	4.0	719
Blot	3	19,825	3.9	776	Fred&Chris McGillvray	3	19,825	3.9	776	Lee A Hoover Jr	7	23,928	3.3	782
J Shephard Wolff	4	20,543	3.2	654	5	4	20,543	3.2	654	Margie	6	17,785	3.8	670
Nina	3	17,792	4.0	719	43	8	17,792	4.0	719	Neddie	4	25,677	2.9	735
Fancy	3	18,202	4.2	764	9	3	18,202	4.2	764	Red	4	18,932	3.5	660
Helen	4	17,051	3.8	656	Wm F&Susan Dietrich	4	17,051	3.8	656	Andy				
Herbert B Shughart	3	16,528	4.1	679	Mistery	3	16,528	4.1	679					
Kit	4	22,495	3.9	876	Cecelia	9	18,305	3.7	673					
Sophie	3	17,397	4.0	693	Daphne	3	17,397	4.0	693					
Frank J. Yose	3	17,571	3.8	670	Mervin E Ruppert	5	23,481	4.2	993					
Susan	4	19,033	3.6	682	Feeble									
Gina II	5	19,033	3.6	682	Paul B Sensenig									
Ashcombe Dover Dairy	5	17,337	4.0	685	Frane									
R202	5	23,814	3.0	726	Jet									
R270	5	26,341	3.2	844	Clifford Chamberlin									
311	5	16,877	4.7	799	Handy									
316	4	19,986	3.3	666	Hazel									
R277	5	19,243	3.7	710	Ferman L Landis									
327	4	20,314	3.3	668	46									
355	4	24,502	3.2	778	Lucille Ocker Family									
R7	4	21,244	3.4	731	Startre									
R47	4	19,702	3.4	671	Rose									
21	3	21,860	3.3	729	Daniel L Martin Jr									
R67	3	20,293	3.4	686	29									
36	2	19,746	3.5	693	Marlin Miller&Sons									
39					10									
40					18									
R73					23									
47					J David Martin									
72					Beulah									
73														
77														
R115														
129														
133														
R191														

2	16,812	4.3	728	Carol	4	19,012	3.6	675
2	16,819	4.3	731	Lisa	4	18,758	3.7	700
2	17,618	3.9	691	Tracy	7	25,829	4.1	1053
				Janet	3	20,046	4.3	855
5	18,613	3.8	699	Shelly	3	19,689	3.9	764
4	18,074	3.9	698	Daniel R Ocker				
4	18,561	4.4	812	99	5	16,940	4.7	795
4	19,395	3.5	686	79	5	16,465	4.0	656
				Roy E Deitch&Sons				
3	18,755	3.5	653	88	3	15,039	4.3	650
				Raymond M Burkholder				
6	18,838	4.0	749	19	1	14,668	4.5	659
4	26,002	3.4	877	Stanley Reinford				
3	19,327	3.7	712	16	5	19,281	3.7	707
6	22,594	4.1	932	87	5	28,340	3.5	984
				107	3	20,068	3.3	653
4	20,307	3.6	731	109	4	19,948	3.4	672
3	23,553	3.0	696	125	3	18,757	3.9	737
3	20,437	3.7	762	182	6	20,174	3.7	747
				229	6	18,182	4.0	733
8	19,627	3.5	689	242	5	17,972	3.7	666
5	18,237	4.0	731	49	4	19,459	3.4	653
5	19,492	4.1	794	50	5	19,187	4.2	812
4	17,793	3.9	702	269	4	16,058	4.1	659
3	23,038	3.7	846	Christ-Barbara Lapp				
				Katie	5	16,871	4.0	679
7	18,262	3.9	717	Rhoda	5	17,245	4.0	684
5	18,808	4.2	783	Ada	2	15,663	4.5	705
4	16,730	4.3	713	Sharon	5	20,340	3.4	690
				Glenn Newswanger				
3	18,435	3.7	689	52	4	20,727	3.3	677
				71	6	16,554	4.1	683
6	21,530	3.3	709	Ed-Kathy Kuntzelman				
6	20,173	4.2	850	17	4	18,780	3.5	662
				Ed Brackbill&Yost				
8	17,266	3.8	656	R20	5	18,943	3.5	658
6	22,102	3.1	688	70	5	21,231	4.0	842
4	22,306	3.8	852	M Thomas Sheaffer				
				Ellie	8	21,907	3.1	686
6	21,552	3.3	708	Madame	6	18,317	4.2	765
5	19,927	4.3	866	Penny	13	23,072	3.6	833
5	23,252	3.1	730	Tillie	5	21,574	3.2	684
				Robert-Margaret Smith				
6	23,417	3.3	780	Pat	7	20,918	3.5	726
5	19,996	3.3	659	Edie	5	17,567	4.5	796
5	19,279	4.0	774	Donald M Leatherman				
2	16,615	4.0	659	Midget	5	20,972	3.4	719
				Mains Acres				
8	24,400	3.0	734	197	7	22,344	3.0	672
10	20,710	3.5	721	31	5	20,147	3.4	675
7	25,969	2.7	700	Lee A Hoover Jr				
				Margie	10	20,100	3.5	708
5	13,479	5.1	681	Neddie	3	18,055	4.0	719
5	15,167	4.8	722	Nevin Shughart				
4	13,190	5.1	678	Ruth	7	23,928	3.3	782
				Marge	6	17,785	3.8	670
				Red	4	25,677	2.9	735
3	19,526	3.6	708	Andy	4	18,932	3.5	660



Bedford County DHIA Report

BEDFORD COUNTY DHIA
September, 1983

Rolling Herd Averages
Above 650 Pounds of Butterfat

NAME	BRD	NO. COWS	% COW DAYS IN MILK	LBS. MILK	LBS. FAT
Byron Over	3	70.9	88.3	20,777	759
Luther & Phil Steele	B3	73.0	86.6	18,479	736
Harry W. Wareham	B3	73.0	86.1	17,524	702
Greg & Betty Shaffer	B3	49.4	89.9	17,201	692

Obie Snider	3	159.9	87.4	17,828	680
Jerry L. Hershberger	B3	95.1	90.4	18,116	679
Paul I. Detwiler	3	106.2	89.9	17,019	678
George Garman & Sons	B3	50.6	88.2	17,082	677
Paul Den	3	74.4	92.2	17,923	675
Paul & David Helsel	G3	98.6	88.3	17,835	674
Russell Wyles	B3	66.5	89.3	17,580	669
Edward A. Deputy	B3	133.2	88.2	18,686	667
Anna & Henry Hall	B3	93.3	86.3	17,229	663
Dale A. Baker	B3	49.8	87.4	16,354	662
Paul R. Ritchey	3	70.3	87.1	17,037	657
Roger R. Brumbaugh	B3	40.3	85.4	17,168	651

The following cows completed 305 Day Lactation with 800 lbs. or more of butterfat in the third quarter, 1983.

OWNER NAME OR NO.	AGE	BRD	LBS. MILK	LBS. FAT
Elwood & Rich Smith	8	3	21,147	891
Luther & Phil Steele	4	3	18,450	817
Randy	3	3	24,749	847
Maela	11	3	20,791	814
Midnite	6	3	23,324	830
Jolene	6	3	22,785	935
Obie Snider	5	3	24,105	1015
Linette	3	3	24,463	868
Suey	4	3	21,496	812
Lucia				
Jerry L. Hershberger				
92				

Lancaster Farming, Saturday, December 3, 1983—D21

Harry W. Wareham	5	3	23,157	1098
166				
Greg & Betty Shaffer	5	3	21,232	898
6				
Edward A. Deputy	6	3	20,506	812
77				
Ch & Ross Hershberger	6	3	15,064	807
35				
James & Laurie Stanton	3	3	21,995	846
Megan				
Paul & David Helsel	4	3	22,291	802
5	4	3	20,739	888
12				
J. Allen Baker	3	3	20,920	889
Mady				
Luther & Phil Steele	3	3	19,500	825
Ethel				
Bryon Over	6	3	26,126	1019
Daffy	6	3	22,033	928
Freckle	4	3	24,358	865
Sassy				
William H. Helsel	5	3	22,475	963
Nelda				
Obie Snider	7	3	23,380	832
Liz	6	3	22,622	827
Della	3	3	20,422	815
Dorene				

(Turn to Page 122)

INTRODUCING THE NEW DE LAVAL FLO-MASTER™ MILK METER

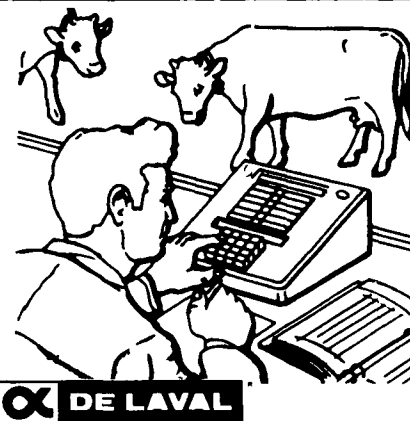


The Flo-Master Milk Meter is an in-line, milk metering system designed for use in milking parlors.



The meter body, attached at each stall, receives and measures the individual milk yield of the cow as she is milked. This milk yield is then displayed on an LED digital display on the accompanying stall unit which controls the meter body.

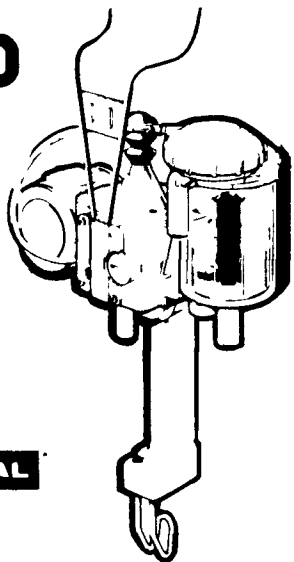
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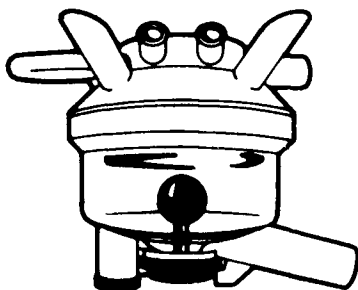
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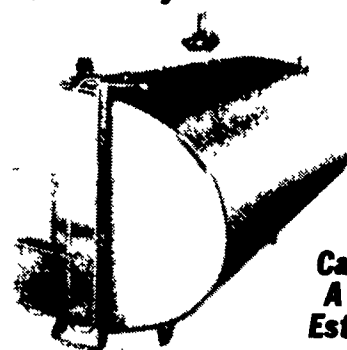


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SEE YOUR LOCAL DE LAVAL DEALER

Bedford Co. DHIA

(Continued from Page D21)

Jerry L. Hershberger	8	3	24,432	997
70	3	3	21,199	835
Raymond Hinsh, Jr.	5	3	19,045	811
Selina	7	3	22,547	968
Anna & Henry Hall	5	3	20,684	882
Bun	3	3	23,512	1031
George Garman & Sons	3	3	19,644	803
Eva	2	3	19,488	823
Charity	5	3	20,160	825
Pam	3	3	20,598	843
Pride	6	3	21,817	916
Paul R. Ritchey, Jr.	4	3	17,598	805
38	4	3	19,039	809
Greg & Betty Shaffer	7	3	22,148	995
47	11	3	21,659	882
Edward A. Deputy	6	3	27,654	981
38	3	3	25,252	877
Chet & George Erb	7	3	20,103	864
4	6	3	18,211	876
David H. O'Neal	6	3	20,423	905
Kim	6	3	16,410	824
Vivian	6	3	21,253	903
Donald Bowser	4	3	21,443	969
164	3	3	21,778	1003
Russell Wyles	3	3	18,344	821
Sharon	5	3	23,571	919
283	5	3	21,607	885
Luther & Phil Steele	5	3	24,551	932
Bernie	5	3	18,623	857
Classy	7	3	20,962	806
Raela	6	3	21,408	834
Babs	5	3	20,715	841
Anita	4	3	23,279	810
Delta	5	3	21,616	866
Starlan	3	3	22,840	936
Kris	3	3	20,465	863
Byron Over				
Denise				
Joyce				
William H. Helsel				
Darken				
Fred S. Steele				
Elda				
Obie Snider				
Sugar				
Audreta				
Vic				
Tippy				
Apple				
Liza				
Harold K. Corle				
Betsy 41				

R. Clair & Alan Koontz	6	3	21,097	896
Abby	3	3	20,779	802
Jerry L. Hershberger	6	3	21,045	810
119	5	3	21,015	990
Clarence & Ken Mowry	6	3	21,005	889
Crmpuff	5	3	21,852	818
Eclair	4	3	21,224	932
Sunny	5	3	23,869	802
Raymond Hinsh, Jr.	4	3	20,702	814
Posie	9	3	23,942	882
Pepper	5	3	23,728	882
Sunny Four Farm Inc.	5	3	21,809	822
Trish	3	3	23,210	830
George Garman & Sons	5	3	18,671	853
Cora	6	3	19,241	808
Edward A. Deputy	5	3	18,041	806
104	4	3	19,111	806
64	4	3	17,991	811
35	4	3	24,047	811
27	6	3	20,440	864
Dale A. Baker	4	3	20,774	912
Kim	8	3	20,364	809
Larry Beach	4	3	25,188	966
114	4	3	22,542	894
16				
Roger R. Brumbaugh				
Snoflak				
Keith & Betty Black				
10				
James L. Steele				
Punky				
Snake Spring Farm				
68				
Paul & David Helsel				
1				
34				
95				
Paul I. Detwiler				
113				

Paul & Ken Wagner	4	1	20,736	858
Lillian	6	3	22,069	851
Carl A Farms	4	6	25,570	847
Flo	5	7	22,384	843
Paul & Ken Wagner	6	3	24,844	842
Lois	4	7	19,723	833
Elam Z Stoltzfus	3	7	22,103	825
Dolly	3	2	19,742	819
Carl A Farms	4	11	18,279	818
Jill	6	6	22,838	811
Heisler Brothers	5	11	21,254	811
Karen	9	3	16,969	806
George Hinkle	5	6	25,262	803
64YE	4	5	23,791	799
James Rodichok	3	2	18,273	797
Kitty	10	11	21,558	796
William R Daubert	5	4	20,196	796
Sally	3	0	17,262	796
Snyder Brothers	3	3	20,654	795
Cloud	3	1	25,852	794
James Rodichok	3	2	22,719	789
Charlen	4	1	18,175	775
Quasar	9	11	19,847	766
Miller & Rex	3	1	23,665	763
Julie	6	0	25,248	760
Carl A Farms	4	3	18,281	759
Fancy	4	4	20,167	757
George Hinkle	6	11	23,828	752
68YE	4	11	16,457	752
William R Daubert				
Marsha				
George Hinkle				
36E				
William R Daubert				
Juanita				
Carl A Farms				
Floss				
Melvin E Stoltzfus				
Lisa				
Miller & Rex				
Pepper				
Jere Gearhart				
Herman				
Carl A Farms				
Sharon				
Snyder Brothers				
Millie				
Melvin E Stoltzfus				
Sandy				
William R Daubert				
Elsie				
Heisler Brothers				
Bertha				
Suntrail Dairy Farm				
Lady				
Elam Z Stoltzfus				
Jackey				

Schulykill Co. DHIA

SCHUYLKILL COUNTY DHIA
September Report
Rolling Herd Average

OWNER NAME OR NO.	AGE	BOB	LBS. OF MILK	LBS. OF FAT
James Rodichok	6	3	24,781	1089
Unice	8	1	24,159	932
Snyder Brothers	5	1	23,147	927
Dancer	9	3	22,885	921
Paul & Ken Wagner	4	6	17,301	913
Holly	5	7	22,930	872
Heisler Brothers				
Stella				
William R Daubert				
Dawn				
Jolly				



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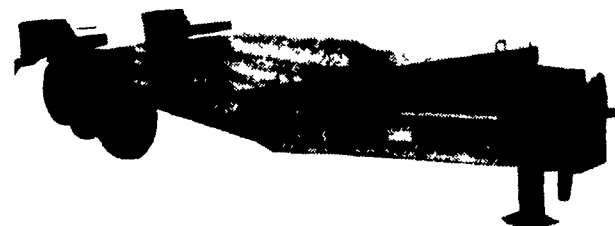
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Tioga Co. DHIA Report

TIOGA COUNTY DHIA

September, 1983

Rolling Herd Averages
Above 650 Pounds of Fat

NAME	BRD	NO. COWS	% COW DAYS IN MILK	LBS. MILK	LBS. FAT
H Robson, Jr	RH	54.1	91.2	21,489	753
L & J Holsteins	RH	38.0	89.6	19,298	747
Glenn Bowen	RH	38.4	88.2	19,382	741
Simalot Holsteins	R&GrH	40.9	88.3	19,018	704
Paul-Emma Machmer	R&GrH	25.5	88.3	18,269	704
Verne W. Bowen	RH	40.8	88.5	19,088	697
Richard Groover	RH	40.7	84.7	18,762	696
Thomas Groover	R&GrH	27.1	86.0	18,491	684
Chas-Doris Porter	R&GrH	43.6	86.9	19,032	680
Stephen E. Bolt	R&GrH	68.6	86.2	18,975	680
Jay Foreman	RH	75.2	87.7	17,458	679
Leemon E. Gaugler	RH	35.4	86.1	17,834	670
Larry & Mary Herman	RH	47.8	86.1	18,156	669
Robert Shanley	RH	66.7	87.2	17,064	658
MIC Realty	RH	52.9	88.5	17,870	657
Chris Gaugler	RH	33.4	86.2	18,066	656
Theodore Schmelzle	RH	49.1	86.0	18,211	656
Dean Baity	RH	54.6	87.1	17,335	653
Dale E. Allen	R&GrH	69.2	89.0	17,722	652

The High Producers

Cows that produced 750 lbs. of butterfat or more in 305 days in September 1983 in the Tioga County D.H.I.A.

OWNER	NAME OR NUMBER	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
MIC Realty	Martha	7-3	305	28,793	4.8	1393
	Berta	9-5	298	21,227	3.5	752
Verne W. Bowen	Erna	5-11	305	25,570	4.1	1042
	Paula	4-8	305	20,620	3.9	808
Willys Hamilton	#123	5-6	305	26,855	3.8	1033
	#105	6-6	305	21,312	4.3	920
	#128	5-2	301	21,708	4.2	910

Eugene Sargent	Jamie	4-7	305	29,219	3.3	955
	Tidy	-	305	21,367	4.4	931
	#5	5-1	305	21,055	3.7	777
Tom Bower	#65	7-5	305	19,485	4.9	949
	#6	8-7	305	22,092	3.9	855
	#30	3-4	305	17,164	4.7	803
	#51	6-7	267	15,328	5.0	773
Stephen E. Bolt	Pam	9-7	305	24,265	3.8	932
	Andrea	8-2	305	20,479	3.7	759
Chris Gaugler	May	6-3	305	27,964	3.3	924
	Agnes	5-3	305	23,226	3.8	881
	Juliet	6-9	305	21,234	3.7	776
Gordon M. Wood	Hedda	5-2	305	22,628	4.1	924
	Bunner	7-1	305	26,369	3.4	896
	Leader	10-11	303	22,095	3.8	847
	Sophia	5-0	305	21,080	4.0	842
	Fame	8-1	305	23,699	3.4	807
	Nettie	4-0	300	26,152	3.9	778
	Fame	7-11	305	23,778	3.2	759
Gerald Parker	Tiffany	5-10	305	23,960	3.8	901
	Carlene	3-0	305	23,849	3.3	778
	Hattie	3-11	297	23,537	3.2	757
John S. Bennett	Jess	6-3	305	21,800	4.1	887
	Joy	8-0	305	20,829	3.8	797
	Lucille	5-1	305	21,510	3.7	786
	Birch	9-2	305	20,271	3.8	778
Harold Robson, Jr	Eva	5-10	305	24,654	3.6	886
	Bea	3-3	305	25,728	3.4	866
	Speck	5-5	305	27,230	3.1	846
	Lulu	8-3	305	21,352	3.8	803
	Astro	5-7	305	25,090	3.1	775
Jay Foreman	#269	7-10	295	22,018	3.9	869
	#351	5-0	305	19,043	4.1	785
Roy A. Schanbacher	Ruby	4-8	305	19,881	4.3	862
	Fay	5-1	305	19,088	4.3	826
	Ada	3-0	305	22,685	3.4	763
Glenn Slaymaker	Yankee	4-2	305	20,360	4.2	861
	Hannah	4-7	305	21,063	3.9	827
Richard Groover	Ellen	4-11	305	23,245	3.7	858
	Edna	5-2	295	20,368	3.8	782
Glenn Bowen	Kelly	5-1	305	21,450	4.0	855
	Gwen	6-2	305	24,461	3.5	851
	Francy	5-10	305	18,745	4.2	779
Galen & Dale Jackson	Ella	8-1	298	21,460	4.0	850
Theodore Schmelzle	Tanya	4-2	305	21,146	4.0	841
	Stella	3-6	305	22,431	3.7	825
Simalot Holsteins	Norma	3-4	305	22,669	3.7	835
	Bertha	7-8	305	21,079	3.9	820

Lancaster Farming, Saturday, December 3, 1983—D23

William Wilcox	Fondue	8-1	305	22,938	3.6	831
L & J Holsteins	Mim	8-9	305	18,744	4.4	829
	Quen	7-7	305	23,035	3.5	804
Thomas & Deb Kerr	Mary	9-10	281	20,768	4.0	827
	Lucy	4-8	305	17,865	4.5	808
Spring Valley Farm	#36	6-0	305	21,140	3.9	825
	#8	6-7	305	20,745	3.7	761
Ransom W. Bowen	Maple	7-3	305	21,224	3.9	824
	Sparky	7-8	305	23,917	3.4	805
Mark Sherman	#597	3-9	305	22,860	3.6	823
	#5	5-10	305	23,540	3.3	775
	#154	5-0	305	20,281	3.8	772
David Cleveland	Alma 1	7-1	305	17,083	4.8	822
Neil & Karen Fisher	Mary	5-1	305	23,967	3.4	819
	Sage	4-11	299	21,295	3.6	757
	Mandy	3-3	305	18,747	4.0	751
Swedes Delight Farms	Matil 19	4-11	297	19,600	4.2	819
Bradford Brothers	W 46	8-3	305	20,639	4.0	817
Robert Shanley	#133	4-10	305	18,961	4.3	817
	#127	5-0	305	22,429	3.6	801
	#158	3-1	305	17,172	4.6	786
	#84	8-2	305	18,042	4.3	772
Larry & Mary Herman	Heidi	5-2	305	24,239	3.4	813
Joseph R. Sherman	#99	5-0	305	23,204	3.5	813
Keith Parthemer	#60	10-3	305	22,817	3.6	812
	#63	5-1	305	20,446	3.8	787
Charles & Doris Porter	Patsy	7-10	305	25,906	3.1	807
	Sunny	2-11	305	19,987	3.8	753
Daniel Rieppel	#99	9-6	305	20,927	3.9	807
Waldo J. Wood	Tina	8-3	305	19,103	4.2	804
Paul & Emma Machmer	#16	4-8	305	19,871	4.0	803
David Weaver	Sweetie	5-0	305	18,384	4.4	803
Dennis & Donna Moyse	Carolee	4-10	305	20,235	4.0	801
Bernard G. Courtney	#4949	8-0	305	19,406	4.1	801
	56Pech	5-10	305	17,916	4.3	758
	3Saly	4-7	305	22,500	3.4	765
Robert L. Miller	#72	4-4	286	19,660	4.0	796
Frank R. VanDelinder	#15	5-10	293	16,694	4.8	796

(Turn to Page D24)

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Blair County DHIA Monthly Report

BLAIR COUNTY, DHIA Report for September

The twenty high herds for the month of September are listed as follows

Owner	COWS	% DAYS IN MILK	LBS. MILK	LBS. FAT
Thomas W Kelly	64 9	88 9	19,460	716
Marcove Farm	67 6	83 9	19,379	715
Richard R Fox&Sons	42 5	85 4	18,582	709
Penn-England	89 0	88 9	18,350	697
GW&RG Baker	70 9	91 0	18,926	689
Clover Will Farms	141 0	88 2	19,116	687
Blackcrest Farms	67 9	87 0	18,252	682
James Smith	38 2	92 7	19,608	676
Fred Bechtel	72 0	88 7	19,049	676
William R England	156 6	88 4	19,280	676
Over Lane Farms	68 3	90 1	18,145	676
Dawn Baker	105 4	86 7	18,334	672
Dale W Hoover	35 0	89 3	18,432	672
Sheldon Fleck	72 4	87 9	17,515	671
Lar Ann Farm	113 8	86 0	18,133	664
Charles&Mike Hoover	97 1	86 9	18,525	663
Richard Heltzel	36 8	87 8	17,848	662
Mary Walters	66 6	89 1	15,211	658
Raymond Diebold	35 3	89 0	18,741	657
Burket Falls Farm	84 8	89 9	17,502	654

HIGH COW

The high cow for the month is a grade Holstein in the Rodney Metzler herd. Cow #127 produced 21,632 pounds of milk and 1016 pounds of butterfat in 305 days

INDIVIDUAL COW RECORDS OF 305 DAYS OR LESS OVER 750 POUNDS BUTTERFAT

OWNER NAME OR NUMBER	BREED	AGE	LBS. MILK	% FAT	LBS. FAT
GW&RG Baker					
207	GH	5-6	24,655	3 8	925
216	GH	4-8	21,765	3 8	829
258	RH	3-2	19,533	4 1	797
Burket Homestead Farm					
33	RH	6-2	22,943	3 6	815
Smith Hollow Farm					
15	RH	7-11	20,044	3 8	754
138	GH	6-1	24,899	3 8	937
James Smith					
Ilene	GH	10-2	19,087	4 5	866
Robin	GH	9-5	26,500	2 9	770
Tina	RH	8-9	24,406	3 3	814
Wayne P Stonerook					
Rachel	GH	7-7	19,242	4 1	797
Valery	RH	5-10	16,231	4 7	770

Mary Walters	GH	7 3	20,738	4 4	918
BBL0861	RH	8-4	22,343	3 7	831
BBL0843	RG	4 9	16,793	5 0	834
CBC7993	RG	3-6	16,187	4 7	768
CHN2982					
Joe McCutcheon					
Babe	GH	7 6	23,469	3 4	805
Steele Farms					
Karen	GH	0-0	19,748	4 0	794
Curryview Farms					
Leah	RH	5 1	21,483	3 7	801
Rich Lou Farms					
Vicky	RH	2 1	19,599	3 9	756
Dale W Hoover					
Doreen	RH	9-9	22,392	4 1	908
Clover Will Farms					
24B	GH	4-8	24,023	3 4	812
44B	GH	4-3	26,035	3 1	798
49B	RH	4-3	22,559	3 6	806
50B	GH	4-3	22,951	3 4	770
G Wayne Smith					
Rhea	GH	4 7	22,053	3 6	799
62	GH	3 2	19,766	4 5	880
Harold Yingling					
22 Pete	GH	7-11	19,032	4 1	775
49 Carl	RH	6-0	20,513	3 8	785
Oswald Bros					
Heloi21	RH	7-0	19,976	4 1	813
Sun Smith Farms					
514	GH	8 4	26,323	3 5	910
Mil-Ber Farms					
Eve	RH	7 1	20,463	4 0	825
Marcove Farm					
Ivy	RH	8 2	21,859	3 8	823
Burket Falls Farm					
Cher	RH	6-0	23,395	4 0	938
1615	RH	4-1	22,099	3 6	799
Emile Dilling					
Sally 22	RH	9-2	24,559	3 5	853
Dennis A Smith					
Betty	RH	5-9	22,696	3 3	755
Lue	RH	5 9	21,139	3 7	789
Gerald Burket					
Corrine	RH	7-9	22,033	3 7	805
Bets	GH	5-1	23,359	3 3	765
A-Glow	RH	5-5	21,523	3 9	842
William&Larry Baker					
51	GH	7 5	19,611	3 9	767

Blackcrest Farms					
38	RH	5 8	21,327	4 2	898
Richard R Fox&Sons					
Dee	RH	4-2	21,886	3 5	774
John R Saylor					
Pokey	GH	9-0	21,184	3 8	805

(Turn to Page D25)

Tioga Co. DHIA

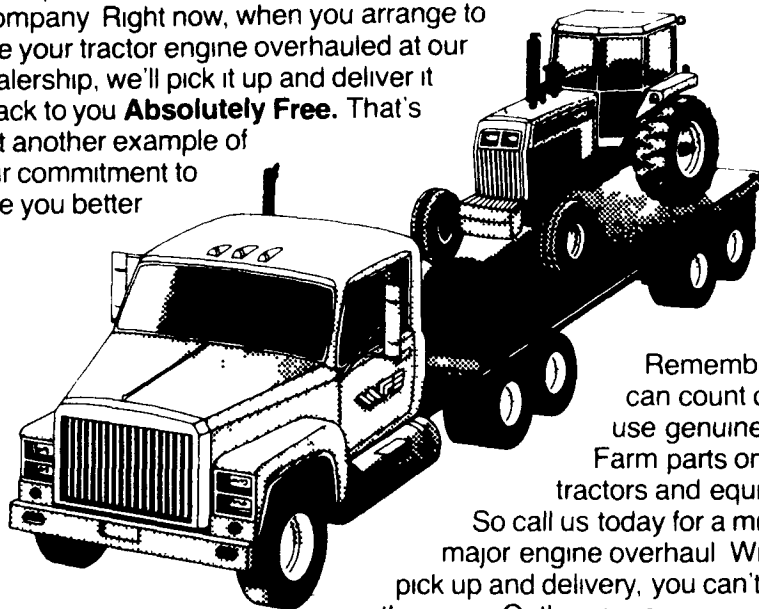
(Continued from Page D23)

Boroline					
Y45	3-8	305	18,193	4 4	793
Thomas Groover					
Daisy	6-1	305	22,298	3 5	791
Dot	6-4	277	21,744	3 5	764
Richard Chamberlain					
Gladys	6-8	305	22,025	3 6	790
Paul Oakley					
Dolly	6-0	305	23,926	3 3	789
John Undercoffler, Sr					
Margery	6-6	305	19,132	4.1	788
Brandy	5-8	305	17,794	4 2	754
Marion Wood					
#36	-	305	15,908	4.9	783
#19	-	305	17,767	4 3	766
#2	4-0	303	16,268	4 6	760
Roger Sweely					
Moldy	6-5	305	17,599	4 4	782
Carroll E Doan					
Paulette	8-11	305	15,530	5 0	770
Douglas W Lawton					
#366	4-4	305	19,888	3 9	767
#395	2-11	293	16,384	4 7	762
#349	5-1	304	19,803	3 8	761
Pine Ridge Holsteins					
Charm	8-0	305	18,366	4 2	767
Vigo	6-1	305	21,145	3 6	762
Charles Neal					
#12	8-7	305	17,012	4 5	764
Jotowell Farm					
Dot	6-3	305	22,058	3.4	753
Joan	4-2	305	19,854	3 8	753
Wm & Wendy Sturges					
Shirley	8-1	305	22,286	3 4	752



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(Continued from Page D24)

C Eugene Smith					
26	GH	4-5	19,998	4 0	791
43	RH	4-2	21,167	3 6	757
14	GH	3-0	18,831	4 0	753
5	GH	3-1	18,056	4 2	759
Jay Metzker					
Lou	RH	5-8	22,299	4 2	946
William R England					
46A	GH	9-9	21,831	3 7	797
3C	RH	6 1	23,529	3 9	907
36C	GH	5-7	23,870	3 8	915
37D	GH	3-11	17,881	4 3	771
Donald G Hoover					
Raquel	RH	8-7	23,940	3 2	766
Ellen	RH	6-1	21,420	4 0	848
61-H	RH	4-5	19,898	4 1	821
Prunie	RH	4-1	19,008	4 0	758
Aldon-Acres					
Cora	RH	7 7	16,850	4 9	821
L Brooke	RH	5-4	20,724	3 7	761
Elwood H Stitt					
Jean	RH	5-11	23,084	3 6	836
Rodney L Metzler					
127	GH	6-3	21,632	4 7	1016
Lar Ann Farm					
Sunshine	RH	5-2	18,398	4 5	837
Josephine	RH	5-6	19,636	4 1	799
Jerry&Sandy Young					
24	GH	5-7	22,378	3 6	815
28	GH	5-6	25,962	3 4	876
Thomas W Kelly					
Jane	RH	7-2	25,419	4 0	1011
Julius Replogle					
Sara	GH	8-6	21,210	3 6	758
Walter Keller					
244	RH	3-3	19,739	4 2	831

Charles&Mike Hoover					
Spirit	GH	4 2	24,029	3 6	860
Susie	GH	4 1	22,482	3 5	780
Sparkling Springs Farm					
347	GH	4-2	20,404	4 2	859
50	GH	3-8	17,755	4 4	783
15	GH	3 1	19,754	4 3	855
Revere Smith					
Sunny	GH	6-5	23,078	3 7	863
Penn-England					
Astria	RH	6 4	20,979	4 2	873
Byron&Randy Huntsman					
42	GH	5-4	20,084	4 1	822
James L Dauberman					
Wendy	RH	4 9	22,336	4 0	894
Mt. View Farm					
25	GH	7-11	19,916	4 2	840
Glen Albright					
19	GH	3-11	21,083	3 9	832
21	GH	3-11	19,589	4 5	872
Bradley Sollenberger					
Tee	GH	3-2	22,329	3 4	758



Juniata County DHIA Monthly Report

Lancaster Farming, Saturday, December 3, 1983—D25

JUNIATA COUNTY DHIA October Report

Records were calculated for 2,784 cows in 53 herds
Top Ten Rolling Herd Averages

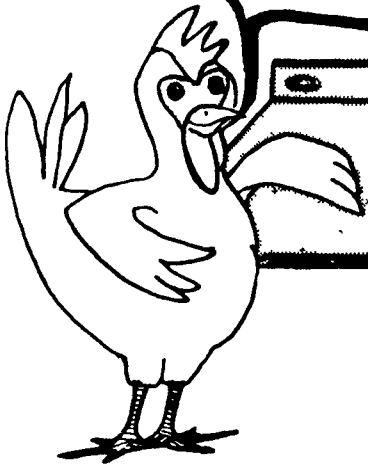
John L Van Horn	41H	89.0	18,414	775
Harold B Shearer	38H	86.2	19,718	755
Mark L Zook	52H	89 1	19,857	751
W Harshbarger&Sons	42H	89.4	18,545	739
James C Graham	32H	83 1	19,280	739
Larry&David Noss	61H	86 2	19,423	727
Barry E Lucas	39H	84 3	18,551	723
J William Peoples	31H	90 3	18,705	721
Rick&Ralph Saner	49H	87.3	18,884	705
Kenneth P Deamer	53H	87 1	19,197	700

Two hundred fifty six cows completed records of 305 days or less. Two of these cows produced over 1000 lbs. of butterfat; eight produced over 900 lbs., 16 produced over 800 lbs., 44 produced over 700 lbs., 54 produced over 600 lbs. and 64 produced over 500 lbs.

The fifteen high cows are listed below. The owner's name and address, cow's name, pounds milk and pounds butterfat are given in order.

Grand Hope Farm				
Voldair		23,935	1,026	
119		22,534	879	
John L Van Horn				
Venus		21,429	1,006	
Vickie		23,051	983	
Jay Finkbiner				
Vera		25,225	953	
Harold B Shearer				
Gail		21,544	931	
Trixy		23,860	890	
S F Metz				
Vivian		21,121	930	
Kay		22,016	854	
Zimmerman Brothers				
Buffy		21,287	925	
Orlyn Saner				
Carla		19,721	925	
Larry&David Noss				
38C		24,972	920	
Glen B Simonton				
238 Trix		23,371	917	
Freeburn&Norman Love				
150		22,436	892	
Delmar A Auker				
188		24,622	870	

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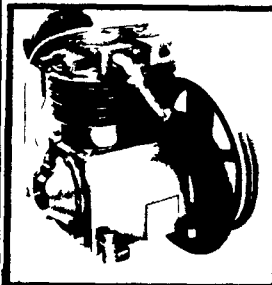
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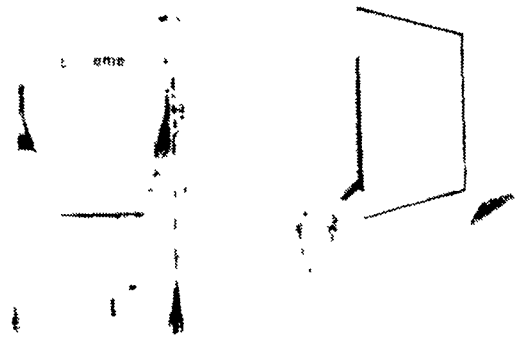


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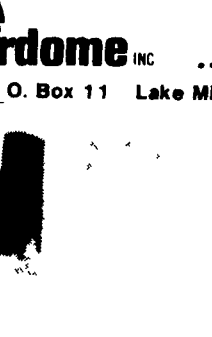
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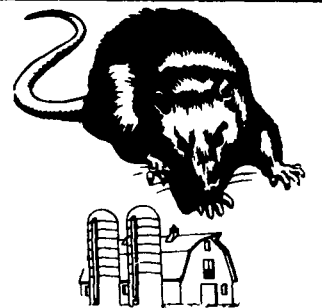
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Box 139B
Clarksburg, PA
412-459-8052

ATTENTION
FARMERS...
FREE
ESTIMATES
ON RODENT
CONTROL



RODENTS carry diseases which can endanger the health of your dairy herds. Your business is raising them. Ours is protecting them.

**We Specialize In
Sanitizing And Disinfecting
Poultry Houses**



Since 1928
Pest control is too important
to trust to anyone else

Lancaster, PA
397-3721
Lewistown, PA
248-0983
State College, PA
237-7607

Auction Reports

The Lilly Ann Nichol Complete Dispersal was held Nov. 23 at the Stave-Mill farm, 6 miles east of State College on Route 45.

The top registered Holstein cow, a daughter of Chapel Bank Apache, was sold for \$12,000. The second high, a daughter of Quality Ultimate, was sold for \$11,000. The average of the 135 cows sold was \$1500.

Sale Managers were Pa. Holstein Assn. and Backus Association.

XXX
A Public Sale of real estate and antiques was held Nov. 24 by Aliene Oliver, 55 S. Second Street, Cressona, Pa.

The 2½ story frame dwelling on a 50' x 200' lot was sold for \$18,000.

Other items sold were: oak washstands \$85 & \$100, high oak dresser \$135, cast iron firetruck \$95, railroad lantern \$45, 6 old Christmas decorations \$45, oak side by side \$180, Planters peanut jars \$15 & \$40, Shirley

Temple pitcher \$40, Gettysburg ruby glass \$30, Quasar color TV \$140, blanket chest \$180, oak T-back chairs \$24 each and oak table \$130.

Jay Riegel, Jr. and Raymond Stump were the auctioneers.

XXX
A Public Sale of the Glenwood Trailer Court in Hahnstown, between Ephrata and Reamstown, Lancaster County, Pa. was held Nov. 22 for the Michael E. Burkholder Estate.

The 4 acres included

18 trailer sites with on site sewage treatment plant and a 12' x 70' mobile home and was sold for \$144,000.

T. Glenn Horst and Timothy G. Horst were the auctioneers.

XXX
A Public Sale of real estate was held Nov. 26 by Christ S. and Priscilla P. Stoltzfus, 1½ miles south of Bartville to Highland South, Colerain Twp., Lancaster Co., Pa.

The 60 acre farm with a large bank barn with 43 comfort stalls, 2 silos,

manure pit, heifer shed, tobacco shed and 2½ story house was sold for \$300,500 to Josiah Beiler a neighbor.

The auctioneer was Steve Petersheim.

XXX
A Public Sale of antiques and coverlets was held Nov. 26 by Else Brunner, at the Denver Hall, 425 Locust St., Denver, Lanc. Co., Pa.

Some prices were: pine dutch cupboard \$1925, grained corner cupboard \$1250, mahogany Hepplewhite chest \$550, oak china closets \$410, \$850 & \$1400, jelly cupboard \$390, cradles \$210 & \$380, travelers compass quilt \$2000, lone star quilt \$840, 1843 woolen coverlet \$500, 1845 woolen coverlet \$595, Demuth snuff jar \$200 and small egg basket \$145.

The auctioneers were T. Glenn and Timothy G. Horst.

XXX
A Public Auction of real estate was held Nov. 25 for the Howard McComsey Estate located on Route 222, 17 miles south of Lancaster on Dry Wells Road.

The 58 acre farm included a 2½ story frame house, barn with a slate roof, milk house,

tobacco shed and corn crib and was sold for \$300,000 to the Quarryville Presbyterian Home of Quarryville, Pa.

The auction was conducted by Kreider & Kline auctioneers.

XXX
A Public Sale of real estate was held Nov. 25 for the Daniel E. Foreman Estate, 1 mile north of Grimes Airport, northeast of Bethel, Berks Co., Pa.

The 20 acre secluded farmette included a 6 room log block dwelling, 2 car garage, small barn and brooder house and was sold for \$60,000 to a son, Jim Foreman.

Auctioneer was G. Harvey Weik.

XXX
A Public Sale of farm equipment was held Nov. 24 by Jennie R. Bachman, Route 1, New Ringgold, Pa. This is 8 miles south of Tamaqua in Schuylkill County. A large crowd attended the sale despite the rainy weather.

Some prices were: N.I. conditioner \$480, Cardinal 16' conveyor \$300, bale & grain elevator \$160, flat wagon \$750, grain wagon \$300, toy wagon \$200, Ford 640 tractor \$2400, Farmall 706 tractor \$6000, M.H. 44 D

(needs fuel pump) \$1050, plow \$950, 10 weights for tractor \$310, Long 560 D tractor & plow \$3700 and Farmall A with cornpicker \$1200.

The auctioneer was Robert A. Arner.

XXX
The Sunshine Valley Farm held a dairy dispersal on Nov. 26. The owners, Norwood and Lucille Meisel live north of Williamsport on Dutch Hill Rd. off Rt. 973. There was a good attendance at the sale.

The top price for a grade Holstein was \$1200. The top 10 animals averaged \$997; the top twenty averaged \$883; the top thirty averaged \$830 and 60 milk cows averaged \$709.

The auctioneer was Jim Adriance.

XXX
A Public Sale of real estate was held Nov. 25 at the Historic Kistler House (Yettens Farm) along Rt. 895 between Andreas and Snyders.

The 55 acre farm includes a manor, grist mill, tavern and dates back to 1751. It also features a 15 stall crib barn, a stone guest house and 3 car garage and it was sold for \$180,000.

Ron Rhoads conducted the sale.

USDA plan urges fish farming

WASHINGTON, D.C. — A plan designed to encourage the development of fish farming in the United States has been sent to Congress, according to Secretary of Agriculture John R. Block.

Block said the National Aquaculture Development Plan was developed by the U.S. Department of Agriculture in cooperation with the U.S. Departments of Commerce and Interior and other agencies as required by the National Aquaculture Act of 1960 (PL 93-362).

"This report is especially timely in view of the rapid growth of aquaculture in this country and in the world," Block said. "There has been a worldwide expansion of aquaculture over the past 15 years," Block

said. "In 1975, U.S. aquaculture production was about 130 million pounds. We expect next year's production to be well over 400 million pounds.

"I'm pleased at the inter-departmental coordination on behalf of a common constituency."

Block said the plan identifies constraints to the development of fish farming, such as competition for land and water areas and markets, and shows ways the federal government can support the growth of the aquaculture industry in the United States.

"Aquaculture is a dynamic and growing segment of the American economy. Tremendous strides and yields have been seen in the past 15 years... The Joint Subcommittee on Aquaculture believes

aquaculture can and will become a significant source of aquatic products in this decade," the report says.

The plan was compiled by the Joint Subcommittee on Aquaculture which operates under the Office of Science and Technology.

"The report will help streamline the federal aquaculture effort and help public agencies remove barriers that have faced aquaculture

in the past," Block said. "It also will identify areas where research and technological advances can have the greatest positive impact on aquaculture development.

"We at the USDA look forward to working with our colleagues throughout government to enhance aquaculture and help provide consumers with nutritious, wholesome fish and shellfish from our nation's farms." Block said.

SIXTH ANNUAL YEAR-END PUBLIC AUCTION

(Auction To Be Held Indoors)

Hardware, Hand & Power Tools, Chain Saws, Welders, Lawn And Garden Equipment And Many Miscellaneous Items.

MONDAY, DECEMBER 5, 1983

5:00 P.M.

Located along East Farmersville Rd., Farmersville, PA (Lancaster County)

DOOR PRIZES

1st Prize

BUSH HOG 3 PT. LOG SPLITTER

2nd Prize

CENTURY 295 AMP WELDER

3rd Prize

MILWAUKEE 8¼" CIRCULAR SAW

Plus Many More!

All adults who register for an auction number between 4-6 PM on Monday, Dec. 5, 1983 are eligible to win these Door Prizes. You must be present to win. Drawing held at end of auction.

LARGE QUANTITY OF HARDWARE & TOOLS - Shovels, Rakes, Brooms, Hoes, Hammers, Socket Sets, and MUCH, MUCH MORE

15 NEW & USED CHAIN SAWS
Echo & Homelite

5 NEW LAWN MOWERS
Bolens & Lawn Boy

6 NEW & USED PORTABLE SPACE HEATERS

10 NEW & USED WELDERS
Century & Lincoln

WELDING RODS
5-50 Lb. Packs
Assorted Sizes

1980 POLARIS TX440 SNOWMOBILE
Like New

NEW DEKA BOOSTER CABLES

25 NEW & USED WEED TRIMMERS
Echo & Weed Eater

(1) NEW CENTURY 117-002 MIG WELDER
Complete

5 NEW & USED CENTURY BATTERY CHARGERS

All Items To Be Auctioned Can Be Seen Monday, Dec. 5, 1983 8 AM Till Sale Time

Auction By

FARMERSVILLE EQUIPMENT INC.

RD 4, EPHRATA, PA 17522
717-354-4271

• **NOTE:** Make plans NOW to attend this auction. We have a lot of inventory that must be sold in addition to what is listed in this ad. Many of these items would make ideal Christmas gifts. It will be worth your time.

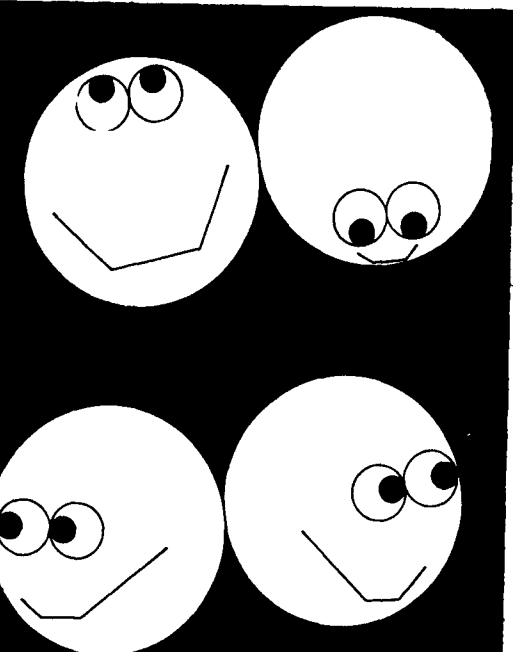
• **ORDER OF AUCTION:**
5 PM - Hardware & Tools
7 PM - Welders, Chain Saws, Weed Trimmers

Auction Conducted By:

John E. and Paul E. Martin, Auctioneers
717-733-3511 — 717-733-3305 Ephrata, Pa.

* Terms: Cash, Visa, Master Charge or Good Check

Food At Auction



DON'T LOOK ANY FURTHER!

YOU'LL FIND IT IN LANCASTER FARMING'S CLASSIFIEDS

ABSOLUTE PUBLIC AUCTION

AUCTIONS

FARM MACHINERY, LAWN TRACTORS & EQUIP.

Everything Sells To Highest Bidder,
No Minimums, No Bid-Ins
SATURDAY, DEC. 17, 1983

Sale Time: 10:00 A.M.

Auction to be held at the Lebanon Fair Grounds, Lebanon, Pa. Take Route 72 1 mile south of Lebanon, turn east on Rocherty Road, 1/2 mile to Fair Grounds, Lebanon County, Pa.

COMBINES

J D 4420 DIESEL COMBINE, air, only 497 hours, J D 4400 COMBINE, 1 H 715 DIESEL COMBINE with 843 4 row corn head, 810 grain head, M F 410 Combine grain head, M F Combine, J D No 213 Grain Head, J D 4430 Corn Head, M F Grain Head, J D 244 Corn Head, M F 421 Corn Head, M F No 24 Corn Head, Fox Super D Self Propelled Harvester with Corn and Pickup Head

FARM TRACTORS

J D 1931 MODEL "D" Reconditioned on original steel, J D "LA", J D 420, J D 50, Case Agri King 1270 Diesel, A C D 17, Allis Chalmers CA with cultivator and plow, 2 Allis Chalmers B with snow plows, Farmall A with cultivator, Ford Dexter Tractor, Ford 9 N, Worthington Tractor, 2 Massey Harris Ponies, Trojan Wheel Loader

FARM EQUIPMENT

J D 680 TANDEM SPREADER with hyd gate and top beater, N I SPREADER with hyd gate, J D 8200 GRAIN DRILL, M F No 33 Grain Drill with seeder, J D 7000 4 ROW CORN PLANTER, 2 J D 1250 6 Row Corn Planters, A C 4 Row No-Till Planter, NEW IDEA 322 2 Row Mounted Corn Picker, N I 323 Single Row Picker, J D 3800 HARVESTER, J D 35 Harvester, Gehl 21 inch Grinder Mixer, Hesston P T 10 Mower Conditioner, 2 J D 24T Balers, J D -14T Baler, J D Pickup and Corn Head Attachments, BRADY 3 pt CHISEL PLOW, J D 4x16 Semi-Mount Hyd Reset Plow, 1 H No 560 6x16 Semi Plow, 1 H No 510 5x16 Semi Plow, J D 3 point Single Plow, Plow Parts, J D Rollover Plow, Single and Double Bottom Trailer Plows, J D 210 Disk Harrow, J D H3 D O B Disk Harrow, Springtooth Harrow, other Disk Harrows, J D 950 Inboard Cultimulcher, J D Snow Plow, Brillion 4 Row Stalk Cutter, J D 145 LOADER, Misc Loader Buckets, Forklift Prongs, Roll Guards, N H Super 23 Hopper Blower, J D 609 3 point Rotary Mower, Western Harrow, Misc 2 Row Corn Planters, Mowers, and other equipment, J D Tractor Weights

LAWN TRACTORS, EQUIPMENT AND SNOW MOBILES

JOHN DEERE LAWN TRACTORS with Mower Decks are as follows: NO 400 with 3 pt hitch and PTO, 6 No 317's 16 h.p., 2 No 312, 1 No 216, 3 No 112, 2 No 7, No 110 Yellow, No 56 Riding Mower, No 111, others include FARMALL CUB with Hydraulic Woods Belly Mower, Plow Disk Harrow, Utility Box, Single Fast Hitch Attachment, Cub Cadets, Nos 129, 107, 109, with Mowers Riding Mowers include HAHN WHEEL HORSE, GILSON, HUFFY, CASE, POWERKING, TORO, and BOLENS Snow Blowers, Sprayers, Sweepers, Mower Decks, Air Compressors, Shredders, Vacuum Sweepers, 3 pt Rototillers, Other Tillers, Snow Plows for J D, Winter Cabs, 3 pt ARPS Lawn Blade, Dump Cart, Weed Eaters, 15 Hand Mowers, Snow Mobile Trailer, John Deere Snow Mobiles, Numbers 600, 3-X4, 800, 440, Polaris, Kitty cat Snow Mobiles, JOHN DEERE Hand Crank CORN SHELLER, 2 ANTIQUE J D POWER ENGINES, Misc Hand Tools

Auction by JOHN DEERE CO., INC. under Security Agreements by SHOTZBERGER'S EQUIPMENT, ELM, PA. Everything sells to highest bidder. No minimum prices, no bid-ins. If in need of Farm Equipment or Lawn Tractors, DO NOT MISS THIS AUCTION!

INSPECTION of equipment Saturday, December 10, or Wednesday, December 14, 1983, 9:00 A.M. to 4:00 P.M. JOHN DEERE financing will be available on a PRIOR APPROVAL BASIS. A company representative will be at the site during inspection periods to take credit applications and discuss credit terms. Credit is also available by calling JOHN DEERE CREDIT CORP., 315-432-9260 Used equipment waivers available on John Deere financing.

1 Farm and Lawn Tractors — March 1st, 1984
2 Planters — April 1st, 1984
3 Combines and Heads — January 1st, 1985
Equipment must be moved from premises by Monday, December 19, 1983 Any equipment remaining after auction day is sole responsibility of buyer

TERMS: Cash or good check day of auction. Out of state buyers paying by check MUST HAVE A CURRENT BANK LETTER OF CREDIT addressed to auctioneers for this particular auction. NOTHING to be REMOVED UNTIL SETTLED FOR. Everything sells as is. Seller does not give any expressed or implied warranty. All sales final.

Auction By:
JOHN DEERE COMPANY, INC.
315-432-9300

Auction Conducted By:
John E. and Paul E. Martin Auctioneers
Ephrata, Pa. 717-733-3305

Free Parking
Food by Lebanon County
Farm Women — Group 2

OUTSTANDING PUBLIC SALE

LARGE COLLECTION OF BLACKSMITH TOOLS -
FARM ITEMS, ANTIQUES, HOUSEHOLD.

RUSSELL SAMUEL OSBORN ESTATE

SATURDAY, DECEMBER 17, 1983
At 9:00 A.M. Sharp

The undersigned administrators will sell the following at Public Sale at the late residence located 7 Miles East of Gettysburg or 3 Miles West of New Oxford on Route #30 thence turning North onto Swift Run Road 1/2 Mile to sale in Adams County, Pa.

BLACKSMITH TOOLS, ANTIQUES, ETC.

75 Tongs; 100's of Hammers and Chisels; Wrenches of all kinds; Four Ring Irons; Ladel irons; Anvils; Post Vises; Chains; Hoes; Single Trees; Bolt Cutters; Sledge Hammers; Wagon Wheels; Leather Heart Design Hand Forge Bellows; Forge; Swedge Tools; Wood Augers; Many Pipe Threaders; many New Mule and Horse Shoes; Axes; Hinges; Many Pipe Threaders; many new Mule and Horse Shoes; Axes; Hinges; Belts; Bolts; Cross Cut Saw; Pitch and Manure Forks; Handsaws; Wood Bucksaws; Wooden Planes; Rasps; Books; Post Cards; Empire Bureau; Chairs; Maple Writing Desk; Oil stove, built-in oven; Old cardboard Advertising signs; Bottles; Degragarians; Linen.

NOTE: This is a fine sale of 1000's of old blacksmith tools, etc.

A PARTIAL LISTING

In case of inclement weather sale will be conducted indoors.

**PATRICIA J. LIVINGSTON
DARRELL N. LIVINGSTON**

Administrators

Clair R. Slaybaugh, Auctioneer

Idaville, PA Phone: 717-677-7479

S.M. Raffensperger, Attorney

Watch For Sale, On Later Date, Of Steam Engines, Threshers, And Engine Parts

PUBLIC SALE TWO DAYS

OF FINE ANTIQUES, FURNITURE, GLASSWARE,
CHINA, FINE DATED COVERLET & SAMPLERS,
HOUSEHOLD GOODS

WED., DECEMBER 7, 1983 at 10:00 am

THURS., DECEMBER 8, 1983 at 10:00 am

Sales to be held in the Al Starr Community Building, village of Willow Street, PA (loc. behind Firehall along north rt. 272)

Fine walnut rd. ext. table w/boards, fine walnut cupboard w/bookcase top, fine walnut marble turtle top table, fine mech. oak tool chest, fine pine rope bed, fine child's plank barrel back rocker. Other fine furniture in: walnut, oak, pine, cherry, plank bottom, empire, mahg., & maple. Lg. kitchen appliances. Fine picture frames & wall mirrors. German clocks. Hanging, oil, alcohol, betty fat, floor & table lights. Blue dec. & other crocks & jugs. Articles in: redware, sponge spatter, stoneware, early slipware, etc. Articles in: iron, white metal, copper, brass, agate, quad., plated, toleware, pewter, tin, sterling, coin silver, wood, paper mache, ivory, mother of pearl, adv., bone carved, grass, etc. Old marble, eggs, sew. articles, xmas articles, old toys & games, dolls, etc. Fine 1837 Coverlet john brosey, Manheim, 1841 & other ABC samplers. Old bedding & linens. Glassware & china in: pressed, cut glass, flint, bristol, custard, bohemian, fostoria, green, hobnail, ruby top, cranberry swirl, amethyst, Heisey, Steigel type, amber, case glass, vaseline, depression, spanish lace, cobalt blue, blown, opalescent, moon glass, German, Red RS Prussia, dec. ironstone luster, Nippon, Austria, French, ironstone, soft paste, Staffordshire, Royal porcelain, Eng., Bavarian, bisque, fiesta, spode, Jap., Geisha Girl, cario, limoges, milk glass, Roseville, majolica, etc. Other misc. articles not listed. Household articles. Not responsible for accidents days of sales. Food served both days. No out of state checks.

Sale by
HELEN D. KAUFFMAN ESTATE

John Beyer Atty.
Howard Shaub 464-3541
and Roy C. Probst, Auctioneers

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

DECEMBER

SAT DEC 3 - 10 AM
Public Auction of Farm
Machinery Located at
1412 E Newport Rd,
Lititz, PA, just east of the
village of Rothsville on
Newport Rd, Rt. 772 and
west of Rt 222
Brownstown Interchange
in Warwick Twp., Lan-
caster Co., PA Eleanor M
Kratz, Owner Conestoga
Auction Co, Auctioneers

SAT DEC 3 - 9 AM
Public Auction of Anti-
ques and Collectables
Located at the Denver
Fire Hall, 425 Locust St,
Denver, Lanc Co, PA
H H Leid Auction Ser-
vice

SAT DEC 3 - 12 Noon
Public Auction of Hay
Equipment, Grinder and
Tractors Located on
Water St, off of Rt 46,
Vienna, NJ, 2 mi west of
Hackettstown, NJ 1 mi
east of Great Meadows,
NJ, 18 mi east of
B a n g o r
PA John Anema, Owner
Col Fred R Daniel, Auc-
tioneer

SAT DEC 3 - 11 AM
Public Auction of Farm
Machinery Located just
off Rt 313 and Rt 19 at
Ingleside, MD Joseph H
Apple, Owner Harry Rud-
nick and Sons, Inc, Auc-
tioneers

SAT DEC 3 - 12 Noon
Public Auction of Cattle
Located at Livestock
Pavilion, Cornell Cam-
pus, Ithaca, New York
Hereford Assn and New
York Polled Hereford
Assn Holiday Heifer Sale

SAT DEC 3 - 9:30 A.M.
Public Auction of Line &
Const Equip. & Vehicles
to be held at the Con-
Edison facility, 20th Ave
& 31st St., in Astoria, NY
Vilsmeier Auction Co, Inc

SAT DEC 3 - 10:30 AM
Public Auction of Equip-
ment and Shop Tools
Located at the shop just
off Markle Hollow Rd, Big
Slats, NY, 5 mi west of
Horseheads, NY or 7 mi
east of Corning, NY, off
Rt 17 Expressway, go
north at the light on

Olcott Hollow Rd to
Davenport Rd, then right
on Markle Hollow, watch
for arrows Cecil D Smith,
Owner Howard W
Visscher, Auctioneer

SAT DEC 3 - 1 PM Public
Auction of Farm
Machinery Located 18
mi east of Hughesville,
PA, 1/2 mi east of 118 and
42 junction off Rt 118
Ralph and Phyllis Diet-
terick, Owners Fraley
Auction Co

MON DEC 5 - 5 PM
6th Annual Year End
Public Auction Large
selection of hardware,
tools, chain saws, lawn &
garden equipment, etc.
Sale by FARMERSVILLE
EQUIPMENT, INC
Located in the village of
Farmersville, Lanc Co
John E & Paul E Martin,
Auctioneers

TUES DEC 6 - 5 30 PM
Farmersville Auction in
Farmersville, 3 mi East of
Brownstown, Lancaster
County, Pa John J Rutt,
Auctioneer

TUES DEC 6 - 9 30 A M
and WED DEC 7 - 10 00
A M Walebe Farms
Machinery, Office Equip-
ment, Veterinarian Sup-
plies and Shop Equipment
Sale at the farm, under
cover, Collegeville, Penn-
sylvania Directions From
Collegeville, Pa go 1 1/2
miles south on State
Route 29, turn right on
Hopwood Road, 1/4 mile to
farm. Watch for sale
signs. Office equipment,
veterinarian Supplies and
shop equipment to be
sold Tuesday, Farm
Equipment and Tractors
to be sold Wednesday
Sale managed by Melvin
Kolb, Inc 2220 Dairy
Road, Lancaster, Pa
17601, Robert Mullen-
dore, Boonsboro, MD
Auctioneer

TUES DEC 6 - 10 AM
Public Auction of Late
Model Tractors, Trailers
and Other Vehicles
Located at Warner Trailer
Co, Inc, Warner and
Haines Sts, off of the
1700 Block of Russell St,
Baltimore, MD Atlantic
Auctions, Inc

WED AND THURS
DEC 7 and 8 - 10 AM
Public Auction of Anti-
ques, Furniture,
Glassware, China,
Coverlet, Samplers and
Household Goods
Located in the Al Starr
Community Building,
village of Willow St., PA,
behind Firehall along
North Rt 272 Helen D
Kauffman Estate Howard
Shaub and Roy C Probst,
Auctioneers

ED DEC 7 - 10 AM Public
Auction of Restaurant and
Kitchen Equipment,
30x30 Tent, 3-3
Wheeler, Pickup Trailer
w/Box Located at 8809
Frankford Ave., Phila
John Rybas, Owner. Steve
Petersheim 786-4624,
Auctioneer s1030 irs1080

WED DEC 7 - 10 AM
Public Auction of Kitchen
and Restaurant Equip-
ment Located at 8908
Frankford Ave.,
Philadelphia, from Rt 95
exit onto Academy Rd,
1st light left, go 1 block to
Torresdale Center John
Rybas, Owner Steve
Petersheim, Auctioneer

THURS DEC 8 - 9 30
A M Cranes, Const
Equip, Lowboys, & Truck
Tractors to be held at
Vicon Const Co's yard &
shop facility, 10 Park
Place in Butler, NJ
Vilsmeier Auction Co, Inc

THURS DEC 8 - 10 AM
Public Auction of Farm
Equipment, Tractors and
Trucks Located going
north on Rt 13 from Harr-
ington, DE to Felton, DE,
go approx 2 mi, turn left
at Paul Callaway Fur-
niture, Rt 289, go over
R R crossing to
crossroads, turn left, 1st
farm on the right, going
west on Dorman St., Harr-
ington, De, Rd 78, go
approx 9/10 mi or 2nd farm
on left Mrs. Denelda
Moore and Mr Robert
Barrett, Owners Dave
Wilson, Auctioneer

THURS DEC 8 - 7 45
PM Public Auction of Fire
Truck. Located in the
Alloway Township Hall,
Alloway, NJ

THURS DEC 8 - 9 30 AM
Public Auction of Cattle
Including Ayrshires.
Golden Harvest Dairy Cat-
tle Sale Backus Assoc.,
Auctioneers

THURS DEC 8 - 1 PM
Public Auction of Grain
Bin and Drying Equip-
ment Located at the
Gaylord Farm, #88 Ridge
Rd, RD 2, 2 mi west of
Monmouth Junction, NJ,
1 mi east of Rt 1 on
Ridge Rd CCC Mid-
dlesex Cty A S C Commit-
tee, Owners Col Fred R
Daniel Auctioneers, Inc

THURS DEC 8 - 10 AM
Public Auction of Canning
House Equipment In-
ventory Located at
Wilson M Jarboe Equip
Co, University and
Railroad Ave,
Federsburg, MD J
Melvin Schwaninger and
Walton P Taylor, Auc-
tioneers

THURS. DEC 8 - 12 Noon
Public Auction of Logging
Equipment, Farm
Machinery and Fuel
Truck Located at Bar-
trons Equipment,
Tunkhannock, PA,
Wyoming Co United Penn
Bank and others, Owners
Jerry Burke, Auctioneer

FRI DEC. 9 - 5:30 PM
Gap Auction Antiques
and Household Goods
sold at every auction
Located off Rt 41, Lan-
caster Turkey Hill Minit
Market, cross RR bridge,
Ira Stoltzfus & Son, Auc-
tioneers

FEEDER

PIGS

&

CATTLE

Best of Quality
BOYCE

LIVESTOCK CO., INC.

Shelbyville, Tenn.

615-294-5121

BOB BOYCE

615-294-5301

PUBLIC AUCTION

OF FARM EQUIPMENT
MONDAY, DECEMBER 19, 1983
11:00 A.M.

Located 5 miles east of Denton, Md. on
Rt. 404.

TRACTORS: J.D. 4630 Diesel w-Hyd. assit
front wheels (low hrs.), J.D. 4020 Diesel, J.D.
2830 Diesel, (low hrs.).

COMBINE: J.D. 6600 w-grain table and 444
corn head.

TRUCKS & TRAILER: 1974 GMC 6500 w-
meadows dump body, 1974 Chev. C50 w-grain
body, 23' Krueger trailer (3 axle).

EQUIPMENT: J.D. 6x16 plow, Kraus 21' disc,
Brillion 23' packer, J.D. 12' chisel plow, J.D.
7000 row corn planter, A.C. 9 row notill planter,
J.D. 8300 drill (23 tin) w-rake, J.D. 14' disc,
Bearcat 15' cultipacker w-transport, J.D. 1210
grain cart, J.D. 146 Loader, J.D. Flail chopper,
Rhino Scrape blade, J.D. 44 4 row cultivator
(rear mount), J.D. Funnel wagon, J.D. grain
wagon, 5 ton Stoltzfus Lime Spreader, J.D. Sub-
Soiler, NO SMALL ITEMS.

Terms of Sale: Cash or approved Check,
(Letter from Bank).

Owner

MR. & MRS. JAMES WOOTERS JR.

479-2114

A. Curtis Andrew Auction, Inc.

Auctioneers

A. Curtis Andrew

Mike Roe

479-0756

Public Auction Register

Closing Date Monday, 5:00 P.M.
of each week's publication

FRI. NIGHT DEC. 9 - 7 P.M. Special Herd Dispersal to be sold at New Holland Sales Stables, Inc., New Holland, Pa. Owners Willard and Grace Stauffer, RD1 Womelsdorf, Pa. Sale managed by New Holland Sales Stables, Inc.

FRI. NIGHT DEC. 9 - 7 P.M. Special Herd Dispersal to be sold at New Holland Sales Stables, Inc., New Holland, Pa. Owners Willard and Grace Stauffer, RD1 Womelsdorf, Pa. Sale managed by New Holland Sales Stables, Inc.

FRI. DEC. 9 - 1:00 P.M. Public Sale of real estate Located County Court-house, 3rd floor, Jury Assembly room, Chambersburg, PA. Jerry E. Martin and Arlene L. Martin, Owners. Contact R.L. Frey, Senior Vice President, Farmers and Merchants National Bank of Hagerstown, MD.

SAT DEC 10 - 1 PM Public Auction of Land Located 1 1/2 mi. northeast of Biglerville, along Guernsey Rd., off Rt. 234, Adams Co., PA. Mt. Ridge Farms, Owner John B. Niesley, Auctioneer.

SAT DEC 10 - 10 A.M. Public Auction of over 125 Vehicles to be held at the U.S. Steel Plant on River Rd., just off Rt. 73, south of the Tacony Palmyra Bridge in Pennsauken, NJ. Vilsmeier Auction Co., Inc.

SAT DEC 10 - 9 A.M. Public Auction of Vehicles, Real Estate, Racing Equip., Shop & Garage Equip. to be held at Jim's Welding Service, State St., Twp. of West Providence (Everett), Pa., County of Bedford. Vilsmeier Auction Co., Inc.

SAT DEC 10 - 9 AM Public Auction of Tools, Trucks, Racing Cars, Antiques and Household Goods. Located at Dutch Trailer Court, near Brownstone Vo-Tech, West Earl Twp., Lanc. Co., PA. Michael E. Burkholder Estate, T. Glenn and Timothy G. Horst, Auctioneers.

SAT DEC 10 - 1 PM Public Auction of Real Estate Located at the corner of Champ Ave. and Greenough St., Sunbury, PA. Forgive Corp., Owners Kerry Pae Auctioneers.

SAT DEC 10 - 11 AM Public Auction of Combine, Tractors, Pickup Hay and Irrigation Equipment and Implements Located on Athol Rd., Mardela Springs, MD, 12 mi. west of Salisbury, on US 50 from Salisbury turn left on Athol Rd., go 1/2 mi. to sale, from Cambridge, take US 50 east, turn right on Athol Rd., 1st road past stop light, from Delaware, NJ, take Rt. 13 to Delmar, DE, turn right on Rt. 54, follow Rt. 54 to Mardela, turn left on US 50, take 1st right Wallace Catlin Farms, Culver Farms and Winter Place Farms, Owners Peter Richardson, Auctioneer.

SAT DEC. 10 - 10 AM Public Auction of Construction Equipment, Trucks, Tractors, Mobile Radios and Shop Equipment. Located at Soil Conservation District Yard, American Legion Rd., Denton, MD, off Rt. 404. Caroline Soil Conservation District, Owners. Curtis Andrew and Mike Roe, Auctioneers.

SAT. DEC. 10 - 11 AM Public Auction of Cattle Located on Asbury Rd., 2 mi. southeast of Le Roy, NY, just off Rt. 5 John J. Sullivan, Erinwood Farm, Owner. William Kent, Inc., Auctioneers.

SAT DEC. 10 - 9 AM Public Auction of Building Materials, Carpenter Tools, Plumbing Supplies, Household Goods and

Farm Equipment. Located in Franklin Co., PA, from Chambersburg take Rt. 997 north to Air Hill Church, turn right on to

Smith Rd., turn left on to Nyesville Rd., follow to sale, from Orrstown, take Rt. 433 south to Sporting Hill Rd., follow to sale. Robert and Eileen Frazer, Owners. Melvin and Lamar Sensenig, Auctioneers.

SAT DEC 10 - 10:30 A.M. Public Auction of several local estates and others. Furniture, antiques and collectibles. Located at Rudnick Sales

Barn, Route 21, Galena, MD. Harry Rudnick and Sons, Inc., Sales Managers and Auctioneers.

MON. DEC. 12 - 5:30 PM Public Auction of Antique Jewelry, Watches, Guns,

Coins, Postcards, Books and Records. Located in the Al Starr Community Building, village of Willow Street, PA. Helen D. Kaufman Estate. Howard Shaub and Roy C. Probst, Auctioneers.

FARMERSVILLE AUCTION

TUESDAY, DECEMBER 6, 1983
5:30 P.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.
Selling the Estate of Alene Hager, Honey Brook
(Bank of Pennsylvania administrator)
Also for Estate of Betty Missimer, Lancaster (May & May atty.)

2 pc. Gold Early American livingroom suite; 3 pc. walnut bookcase bedroom suite; Kenmore elec. sewing machine; Avocado utility cabinet; elec. fan; 2 drawer metal file; 6 drawer maple chest of drawers; clothes hamper; clothes tree; air conditioner; lawn chairs; nice 3 pc. maple and table set; Hoover portable washer; table & floor lamps; tools; 2 very nice antique wooden rockers; oak office chair; set of 4 bentwood chairs; 4 pc. & 5 pc. waterfall bedroom suites; round Maytag wringer washer; double rinse tubs; coil springs; box springs; mattresses; Singer treadle sewing machine; sliding door wooden wardrobe; Norge auto washer; roll away cot; pr. bar stools; bar; metal wardrobe; loveseat; swivel rocker; small hide-a-bed; white chest of drawers; dark pine hutch; breakfast set; sewing stand; barrel back chair; mah. dresser w/serpentine front; 2 plate coal stove; White Mt. ice cream freezer; waterfall dresser; J.C. Penney apt. size washer; trunk; night stands; heatrola; pr. gold size chairs; gun cabinet; sofas & sofa beds; crib; antique deep picture frames; pr. cane back side chairs; wash bowl; bath tub; commode; shower stall; doors; lots of small items; dishes; pots & pans; box lots; etc. etc. Note: This is an exceptionally large sale, so plan to stay late.

WE SELL ON COMMISSION.

Call **JOHN J. RUTT**
354-5095

Consignments being accepted for our annual New Year's Day Antique Sale on Jan. 2, 1984.

Beulah E. Troutman Estate PUBLIC SALE

39 ACRE FARM, PERSONAL PROPERTY, ANTIQUES, OAK FURNITURE, TOOLS
SAT. DECEMBER 17, 1983
10:00 A.M.

Furniture to be sold at 10:00 A.M.
Real Estate 12:00 Noon

Directions: From Myerstown, PA follow Rt. 501 north to Village of Mt. Aetna. Turn left on Market St. to Greble Road. Bear to right onto Greble Road. One mile to sale. Watch for sale signs.

Real estate consists of 39 acre farm, more or less, with 30 acres tillable. Erected thereon is a 2 1/2 story log frame home w/siding. Home has kitchen plus 3 rooms and full bath on first floor. Second floor has 4 bedrooms and storage room. Large attic.

Bank barn has 4 mows, 2 w/doors. Combination chicken house and shed w/corn crib. Other buildings included are a pig stable, summer house, and a butcher house.

For appointment to see this property call Messiah Troutman at 717-833-4231, or Dave Risser at 717-866-6873 or 866-2117.

Conditions by,
MESSIAH TROUTMAN
CLARENCE E. TROUTMAN
Executors

Steiner & Sandoe, Attorneys
Dave Risser, Auct.
211 E. Main Ave.
Myerstown, PA
717-866-6873

Not Responsible for Accidents
Refreshments Available
Full Ad Will Appear Dec. 10.

ATTENTION HOG PRODUCERS

Every Saturday
VINTAGE SALES STABLES, INC.

Needs 500 more hogs to fill our packers and small packers orders.
(Also 30 more sows each week from 300-400 lbs.)

Auction Time 9:00 A.M.

Commission on hogs \$1.70

Phone 717-768-8204

Or 215-458-8518

Special Every Monday, Wednesday,

Thursday and Friday

7:00 - 12:00

BUTLER FOODS, INC.

of Philadelphia, PA

Will buy your hogs direct. No yardage, no commission, payment on the spot.

Call Ed Herrmann

717-442-4742

Location - At Vintage Sales Stables, Inc.,

10 miles east of Lancaster, PA on Rt. 30.

AUCTION SALE

LIQUIDATION OF PARTNERSHIP
BY ORDER OF MONTGOMERY COUNTY
COURT OF COMMON PLEAS
JUDGE HORACE A. DAVENPORT

WELL DRILLING EQUIP.

THURS., DEC. 15, 1983 - 11 A.M.

ON PREMISES

F.L. BOLLINGER & SONS
643 SKIPPACK PIKE,
BLUE BELL, PA.

2 CHICAGO ROTARY DRILL RIGS

1 - Chicago Pneumatic Model T650 Rotary Drill Rig Powered by Cat 333 Diesel Engine & Hydraulic Torque Converter Together with Air Compressor & Water Injection System Mounted on A 1970 Ford Model T950 Tandem Axle Truck, 1 Chicago Pneumatic Model T650 Rotary Drill Rig Powered by Detroit 6V71 Diesel Engine & Hydraulic Torque Converter Together With Air Compressor & Water Injection System Mounted on A 1967 IHC Model 190 Tandem Axle Truck, 1 - Smeal Model ST-SHRPPG Hydraulic Pump Hoist Mounted On A 1977 Ford F350 Mechanics Body Truck, 1 Star Cable Drilling Rig Powered By Ford 6 Cyl Gas Engine Mounted On 1968 Dodge 800 Truck.

**FLATBEDS, DUMP TRUCK,
BACKHOE, TRAILER**

1 - 1973 GMC 6000 - 23' Flatbed Truck Equipped W/750 Gal. Water Tank, 100 Gal. Diesel Tank, 1 - 1967 Ford N600 Flatbed Truck, 1 - Ford F350 Single Axle Dump/Stake Truck, 1 Tonco 9 Ton Tri-Axle Tagalong Trailer, 1 - IHC Model 3514D Tractor Loader Backhoe (Diesel, 1 - 1978 1/2 Ton Ford F150 w/Super Cab 302-V-8 Engine.

DRILLING EQUIPMENT & SUPPLIES

2 - Miller Arc Welders, Compressor Units, 5 - Mission Mega-Drill 5315 & 5325 w/8" Stab. And 6" to 8 1/4" Button Hammer Bit, 3 - Rotary 10" - 15" Stabilizers & Drill Bits, 6 Subs 4 1/2" to 7 5/8", 20" Reamer, 43 Round Hammer & Star Drill Bits 6" - 14", 25 lgths. Rotary Drilling Pipe 20' & 25'. 30 Lgths. Turbine Pump Pipe, 14 Lgths. Cable Drill Pipe 4" & 5" Dia. x 18'-20', 1-3" Model 30-A-B23 Hale Pump, 1-2; Model 127EP68 Hydro-matic Ditch Pump, 15 Lgths. Alum. Irrigation Pipe, 25 H.P. Amarillo Gas Driver Pump Drive.

MISC. TOOLS, MACHINERY & SUPPLIES

1 - Southbend #C181856 Lathe w/6' Bed & Access., 1 - Dyna-mite Model 110 Steam Cleaner, L & A Model 802 Pressure Washer, 2 H.P. Air Compressor, Ford 6 cyl. Engine, Pumping Units, Beveling Machines, Suction Hose, Wire Cable Propane Tanks, Hoists, Valves, Torches, Lincoln Welder, Rockwell Delta Drill Press, Grinders, Elec. Drills, Tap & Die Sets, Battery Charger, Anvil, Buffer & Polisher, C & Bar Clamps, Bolt Cutters, Hand Tools, Test Pumps, Jacks, Pipe Vises, Lombard Gas Chain Saw, Cement Mixer, Cable Wrenches, Cable Jar Bumpers, Side Spear, Rig Bits, Fuel Tanks, Wing Guides, Drilling Jars, Rope Sockets, Gages, Binders, Etc.

INSPECTION WED. DEC. 14 - 9 A.M. to 3 P.M.
TERMS. CASH OR CERTIFIED CHECK - 25% DEPOSIT REQ.

Wm. F. COMLY & SONS
Auctioneers

1025 E. BOSTON AVE., PHILA., PA. (215) 634-2500

REAL ESTATE AUCTION

54,000 Sq. Ft. Commercial Building
Plus a 150'x220' Additional Lot

SATURDAY, DECEMBER 10, 1983
At 1:00 P.M.

Corner of Champ Avenue & Greenough Street, Sunbury, Pa.

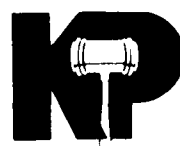
- * Valuable 54,183 Sq. Ft. Bldg.
- * Warehouse, Dist. Center, Storage, Many Uses
- * Three Loading Docks, Sprinkler System
- * Offices and Freight Elevator
- * Additional 150'x220' Adjacent Lot for Parking or Residential Development

Building and Lot to be Offered Separately, then as a Unit.

TERMS: \$7,500.00 Deposit on Bldg., \$2,500.00 Deposit on Lot Required by Cash, Cashier or Certified Check Payable to Kerry Pae Auctioneers, at Time of Auction. Balance Due in 60 Days at Settlement.

Owners Anxious to Sell this Corporate Surplus Property. If you're Looking for This Type of Investment Call or Write Today for Brochure.

FORGFLO CORPORATION
Sellers



KERRY PAE AUCTIONEERS

327 N. Front St.
Harrisburg, PA 17101
(717) 236-3752

PUBLIC SALE

OF
BUILDING MATERIALS,
CARPENTER TOOLS,
PLUMBING SUPPLIES,
HOUSEHOLD GOODS, AND
FARM EQUIPMENT

SATURDAY, DEC. 10, 1983
9:00 A.M.

LOCATION: Franklin County, Pa. From Chambersburg take Rt. 997 North to Air Hill Church, turn right on to Smith Rd., turn left on to Nyesville Rd. Follow to sale. From Orrstown, take Rt. 433 South to Sporting Hill Rd. Follow to sale. Sale signs posted.

— **BUILDING MATERIALS and PLUMBING — SUPPLIES —**
New and Used

Storm doors & windows; Colonial, Flush and Bifold doors; lock sets and hardware; large quantity of nails; metal shelvings; 3 drop-in toilets; double bowl sink; aluminum siding; lumber - mostly 2x4 and 2x6; ranch base trimming; contractor's heater; old barn hinges and planes; Home Craft jigsaw; Craftsman 10" radial arm saw; plumber's propane gas furnace; drill press; saw blades; extension ladder; 3 power trowels - (2) 30" and (1) 36"; extension cords; wooden planes; 1 hp. air compressor; many misc. items including hand tools, paints, etc.

— **FARM EQUIPMENT —**

MF 85 gas WF tractor; Ford 9N tractor with loader; Dear Born 2 row corn planter; Case 200 baler with thresher; Smucker 24' elevator with motor; 2 hay wagons; 170 Oliver manure spreader; Bady manure spreader; Int. flail chopper; 7 ft. disc; 12" 2 bottom plow; wood saw; 3 pt. hitch platform; 3 pt. scraper; JD side rake; 1110 Penna. lawn mower with 42" blade; 10 hole hog feeder; electric fencers; 2500 watt generator; 180 Lincoln welder; platform scales; 7' 3 pt. Ford mower; anvil.

— **HOUSEHOLD GOODS —**

Upright Kelvinator Freezer; 5 plank bottom chairs; large crossback cherry table; love seat; metal desk; 2 twin beds; 2 bureaus; writing desk; several stuffed chairs; White sewing machine; silverware and dishes.

TERMS BY:

ROBERT & EILEEN FRAZER
4182 Nyesville Rd.
Chambersburg, Pa.
ph. 352-8292

AUCTIONEERS:

Melvin Sensenig 776-5054

Lamar Sensenig 532-9160

NOT RESPONSIBLE FOR ACCIDENTS
LUNCH SERVED

PUBLIC SALE OF 40 ACRE FARM

TUESDAY, JANUARY 3, 1984
At 2:00 P.M.

Located at the west end of Longlane Rd. From Blue Ball take Rt. 23E to Rt. 897N, go approx. 2 miles to Longlane Rd., turn left to property. East Earl Township, Lancaster Co., Pa.

2½ story frame house. 1st floor: Mod. Kit.; Din. Rm.; Liv. Rm.; Laundry; ½ bath; Storage Rm. (Kit. & Laundry rm. new within the last few years.) 2nd floor: 5 Bedrms; Full Bath. Attic; Full basement; OHW heat; Tin roof; Grape Arbor; Large old shade trees; Macadam drive.

BARN: Frame bank barn w/hip roof. 1st floor: Steer stable & horse stalls; Equip. storage and large corn crib on west side.

OUTBUILDINGS: Frame corn & equipment shed; Buggy shed & Tobacco shed w/cellar & stripping room with rails; 2 frame brooder houses; 24'x135' 2 story frame chicken house w/frame attached horse stables. All buildings have tin roof.

SILOS: 14'x60' Terre Hill stave silo; 10'x40' poured cement silo.

WATER: Well & cistern; Septic system.

LAND: All tillable except building area; Terrain level to gentle slope.

TERMS: 10% down day of sale; settlement by April 1, 1984. Inspection anytime by appointment. Call HORNING FARM AGENCY, INC. @ 215-286-5183.

Terms by:

IVAN M. MARTIN

Atty: Robert Weaver

HORNING FARM AGENCY, INC.

Alvin Horning, Auctioneer

Main St., Morgantown, Pa. 19543

PUBLIC AUCTION OF CONSTRUCTION EQUIPMENT, TRUCKS, TRACTORS, MOBILE RADIOS AND SHOP EQUIPMENT

SATURDAY, DEC. 10, 1983

10 AM Rain or Shine

Located at Soil Conservation District yard. American Legion Rd., Denton, MD (off Rt. 404)

CONSTRUCTION EQUIPMENT

D7G dozer, 225 hyd. excavator, unit crane model 1220-W-GMC motor - W45' Boon, 30" pads, fork life, Rome Sheer blade, 3/4 yard bucket, hydraulic ditch mower, root rake, 2 Fleco root rake, crane tight-line (miscellaneous crane parts).

RADIO EQUIPMENT

GE 1 base and 4 mobil units, 50 watts with 62' antenna.

TRUCKS AND TRAILERS

1968 Brockway 335 Cummings engine, Rogers 27' lowbed; Birmingham 27' lowbed; 1979 GMC half-ton pick-up; 1977 3/4 ton pick-up; 1975 Ford 3/4 ton with utility body; army type 10 wheeler wrecker.

FARM TRACTORS AND EQUIPMENT

International Cub-W-Woods mower and blade; International 444 diesel with duals; International 240, 5' rotary mower; Hardee brush burner, 3 fuel tanks.

SHOP EQUIPMENT

South bend metal lathe; Westinghouse Flex arc welder; 2 steam gennies; high speed hacksaw. Only partial listing. Numerous other shop equipment items.

Terms: Cash or approved check (letter from bank)

Owner: Auction authorized by

**THE BOARD OF SUPERVISORS
OF CAROLINE SOIL CONSERVATION
DISTRICT**

1-301-479-0630

A. CURTIS ANDREW AUCTION INC.

Auctioneers:

Curtis Andrew, Mike Roe

1-301-479-0756

LAND AUCTION

Mt. Ridge Farms (2)
Adams County, Pennsylvania

126 ACRE BEEF

Offered in 13 Parcels
Combinations and Entirety

135 ACRE GENERAL

Inspection Saturday November 19 1983 10:00 A.M. 4:00 P.M.

SATURDAY, DECEMBER 10, 1983
1:00 P.M.

1½ Miles Northeast of Biglerville
along Guernsey Road off Rt. 234

FOR DETAILED BROCHURE CALL OR WRITE:



JOHN B. NIESLEY

BROKER-AUCTIONEER

32 W. High Street, Carlisle, PA 17013
(717) 249-8787

PUBLIC AUCTION

For Several Local Estates & Others

AT RUDNICK SALES BARN,

Route 213, GALENA, MD.

SATURDAY, DEC. 10

AT 10:30 A.M.

Furniture, Antiques and Collectibles to include an estate from Easton, Md., with Early Pressed Glass, Cut Crystal, Blue Willow & Flo-Blue China, Lamps, Pictures, Paintings, Bedroom Set, a fine Armoire, books and many other pieces of fine old furniture. An antique Oak Buffet, antique spindle back Chairs, harvest table, love seat, a large brass tray-top table, bakers table, gate leg table, antique spool bed, single & double beds, dressers, end tables, sofas, kitchen pots, pans and appliances. TV's and Chair-bed. Oriental Rugs: Persian, Turkish, Chinese, room size runners, throws, etc. Oriental pieces and many other items too numerous to mention.

13' Boston Whaler Boat, Motor & Trailer; Sears 10" radial saw.

Office furniture & equipment from two local businesses to include many desks, chairs, file cabinets, electric typewriters, and other related office items.

Inspection: Morning of sale.

Terms: Cash or approved checks.

Sales Managers & Auctioneers

HARRY RUDNICK & SONS, INC.

Galena, Maryland

Phone: (301) 648-5601

PUBLIC SALE OF ANTIQUE JEWELRY, WATCHES, GUNS, COINS, POSTCARDS, BOOKS, RECORDS

MON. EVE. DECEMBER 12, 1983

At 5:30 P.M.

Sale to be held in the Al Starr Community Building, village of Willow Street, PA (loc. behind Firehall along north Rt. 272)

Guns: Savage 22 pump, Winchester 22, old 22 rifle. Pistols: D. Williamson 1864 cap & ball, C. Sharps 22, 22 boot, 3 Iver Johnson 32's, 38 Bull dog. Coins: 1938-1960 Jefferson Nickels, 1964-1969 Ken. halves. Guns & Coins to be sold at 8:00 p.m. Watches: Men's: Stauffer key wind, NY Standard pocket, Elgin pocket, Hamilton pocket. Lady's: Elgin, Hampden & Hamilton. Old watch chains & fobs. Jewelry: Cameo pins, earrings, etc. Gold: bracelets w/diams., opal necklaces & rings, man's onyx & other gold rings, moonstone & other pins, locket, bracelets, earrings, opal & baby rings, etc. Sterling: bracelets, pins, necklaces, rings, etc. Gold filled jewelry, costume jewelry. Postcards: sunbonnet girl & other old postcards. Books: lots of old history, poetry, Lanc., children's & other good books. Photo albums, lots of records. Not responsible for accidents day of sale. Food served. No out of state checks.

Sale by

HELEN D. KAUFFMAN ESTATE

Arnold, Beyer & Homsher Attys.

Howard Shaub 464-3541

and Roy C. Probst Auctioneers

Public Auction Register

Closing Date - Monday, 5 00 P M
of each week's publication

MON. DEC. 12 - 9 30
Public Auction of Machine
Shop Equipment, Office
Equipment and Misc
Located at A.C.C.O. Bab-
cock Inc 454 E Princess

St, York, Pa Blaine N
Rentzel, Auctioneer

TUES DEC 13 - 10 30
A.M. Const, Equip, Horiz
Boring Machine, Trucks,

PUBLIC AUCTION AT GOODS AUCTION

111 N. Maple Ave.
Leola, Pa. 17540

Hay - Straw - Corn

Every Wed. at 12:00 Noon

No Out of State Checks

Good's Auction

Trailers, & Much More to
be held at Despatch Prop-
erties Indus. Pk. at 160
Despatch Dr in East
Rochester, N.Y Vilsmeier
Auction Co, Inc

WED DEC 14 - 11 AM
Public Auction of a Real
Estate, Power Shop
Equipment, Hand and
Garden Tools and
Household Goods
Located at 822 E
Chestnut St, Lancaster,
PA Helen D. Kauffman
Estate. Howard Shaub
and Roy C Probst, Auc-
tioneers

THURS DEC. 15 - 10 A.M.
Const Equip, Trucks &
Trailers to be held at
Flanders Valley Airport on
Ironia Rd in Flanders,
NJ Vilsmeier Auction
Co, Inc

THURS. DEC 15 - 11 AM
Public Auction of Well
Drilling Equipment
Located at F.L. Bollinger
and Sons, 643 Skippack
Pike, Blue Bell, PA. Wm.
F Comly and Son, Inc.,
Auctioneers.

AUCTION SALE

COMBINE-TRACTORS-PICK UP-HAY & IRRIGATION EQUIPMENT-IMPLEMENTS

Pursuant to proper authority, the undersigned will sell at Public Auction the following farm machinery from Wallace Catlin Farms and surplus equipment from Culver Farms and Winter Place Farms on

SATURDAY, DECEMBER 10, 1983

Beginning at 11:00 A.M.

Athol Road

Mardela Springs, Md.

60 acre farm including 44 acres waterfront on Barren Creek (call auctioneer for terms)

1980 Chevrolet Pickup, Automatic, power steering, Am/Fm, Aux. Tank, Md. inspected, very good condition, 86,000 miles.

1976 Pinto 4 speed, Md. inspected, low mileage engine; 1976 Suzuki, dirt and road motorcycle; Gleaner F-2 combine, 1977, hydrostat, 6 cyl. gas, 13 ft. grain table, floating header, straw chopper, cab - a clean machine.

Case 1070, 108 hp, 1974, cab and air, 20.8x38 tires, dual remote, heater-good, power shift, 540/1000 PTO, good; John Deere 4430, 2700 hours, 125 hp, roll guard, 18.4x38, dual remote, Quad trans, very good, formerly Mr. Dudley's of Cordova, Md; John Deere 4020, 95 hp, diesel, 18.4x34, good tractor, formerly Mr. Dudley's; John Deere 4010, 84 hp, 4100 hours, diesel; Case 730 tri cycle, 57 hp. P.S. Comfort King, dual remote, 15.5x38, good; Farmall H, Hi Cycle wide front 12x36, PTO draw bar only; Super A Farmall w/culti., planter and fertilizer attach., real clean; AC-D17, 14x28 tires; New Holland 273 baler, very good SN316135; New Holland 915 manure spreader PTO, very good; New Holland 479 Haybine 9' reel, ex. cond. SN403259; AC-2300 disc, hydrofold, 52 blade, 21' w/9" space, good; Dunham 6 row S tine cultivator; 3 John Deere 8 ton 4 wheel wagons, all good, w/18' bodies; Case 5x18 semi-mount plow w/on land hitch, good; John Deere 145 plows, 5x16 semi mount, good.

MF 3x16 plows

AC 40 blade transport disc

Pittsburg 6 row cultivator

Hardee 300 gal. sprayer

International 4 row 3340 plate

planter

Hardee 5' mower, side angle

mount

AC 6 row plate planter

JD 6' pull type rotary mower

2-500 gal. water barrels

3 section drag

2 Ferguson 2 row cultivators

2 David Bradley 4 wheel wagons

w/2' metal body

Brillion 10' crowsfoot

4 row Ford cultivator parts

Homemade trailer

Brillion 12' cultipacker

International 16 spout drill

JD 1240 plateless planter

Dunham-Lehr 4 row S tine

cultivator

MF side rake 3 pt. new style

IRRIGATION PUMPS:

Weinman (4327) 6x6 powered by a Red Diamond 6 cyl. gas eng. on trailer w/vacuum primer; Worthington 750 gal. pump 6x5, 1750 rpm w/Oliver 70 gas, 6 cyl. eng. on trailer; Hale Model 50FB3 - PTO irrigation pump 5x4; Marlow flow pump 6x6 Model 6YSG, PTO, Sn 392440; Weinman 1800 gal/min. pump 8x6 w/acc., no engine, unit worked good but pumped too much water for small system.

IRRIGATION PIPE:

Pipe 3 pc. Wasco 4"x30'; 14 pcs. Shur Rane 4x30; 32 pcs. Shur Rane 4x30 plain female ends; 14 pcs. Wasco 4x30 plain ends, 13 pcs. Shur Rane 5x30 female ends; 13 pcs. Shur Rane 5x30 plain; 16' pcs. Wasco 4x40 plain; 8 pcs. Wasco 6x40 plain; 4 pcs. Wasco 6x30 plain; 21 pcs. Mathieson 6x20; 38 Wasco 4" couplings; 13 pcs. Wasco 6" couplings; 1 Shur Rane T, 2 Wasco 4" L; 2 Wasco 6 to 5 reducers; 2 Wasco 5" plugs; 1 Wasco 6" L; 2 Wasco 5 to 4 reducers; 1 Wasco 4" T; 1 Wasco 5" L; Mathieson 6" T's & L; 11 Shur Rane 5" control valves, 4 Shur Rane 5 to 4 shut off, Wade Rane, Wasco and Anderson Miller 146 pcs. of 4", 20' and 30' lengths; 46 pcs. of 5", 20' long; 45 pcs. of 6", 20' long.

Directions: Mardela Springs is 12 miles West of Salisbury. On US 50 from Salisbury turn left on Athol Road, go ½ mile to sale. From Cambridge, take US 50 east, turn right on Athol Road (first road past stop light). From Delaware, New Jersey, take Rt. 13 to Delmar, Del., turn right on Rt. 54, follow Rt. 54 to Mardela, turn left on US 50, take 1st right.

Good motels in Salisbury and Cambridge. Commercial flights & Private flights to Salisbury. Shuttle from Salisbury, if you call.

Terms: Cash or good check on day of sale.

PETE RICHARDSON AUCTION SALES

PO Box 51, Willards, MD. 21874

Phones: 546-2425 - 742-6220

Public Auction Register

Closing Date Monday 5:00 P.M.
of each week's publication

FRI. DEC. 16 - 9:30 A.M.
Public Sale of shop equipment, tools and supplies. Located Cumberland Co., PA. Approx. 4 miles north of Shippensburg. Traveling Rt. 533 East, turn left on to Duncan Road, follow to sale. Sale signs posted. Terms by, Weaver's Farm Service. Lamar Sensenig, Melvin Sensenig and Paul Horst, Auctioneers

FRI. DEC. 16 - 9:30 A.M.
Public Bankruptcy Auction of contractors equipment and supplies. Located at 619 East Ross Street, Lancaster PA. By order of Barry A. Solodky Esq. trustee in bankruptcy in RE Lancaster Drywall Co., A Penn. Corporation. E.M. Murry Associates, Auctioneer

SAT. DEC. 17 - 12:30 P.M.
Public Auction of New and Good Used Lawn and Garden Tractors, Mowers and Tools. Located Rt. 322 east of Ephrata, turn left at Hinkletown traffic light, turn left onto Gristmill Rd. at Martindale to business on right. Lawn Care of PA, Daniel Z. Martin and Son, Owners. Randal Kline,

Lloyd Kreider and Roy Good, Jr., Auctioneers

SAT. DEC. 17 - 1 P.M.
Land Auction John B. Landis Farm, Cumberland County, Penna. located 1/4 mile east of Bloersville. Turn off Rt. 641 between Carlisle and Newville, on

to Bloersville Road, 3 miles to Bloersville, turn right onto Baughman Road, 1/4 mile to farm. Look for signs John B. Niesley, Broker, Auctioneer

SAT. DEC. 17 - 9 A.M.
Vehicles, Ladder Trucks, & Office Equip. & Furniture to be held at the Middletown Grange Fairgrounds, just off Rt. 413 on Penns Park Rd. in Wrightstown, Pa. Vilsmeier Auction Co., Inc.

SAT. DEC. 17 - 10 AM
Public Auction of 39 Acre Farm, Personal Property, Antiques, Oak Furniture, and Tools. Located from Myerstown, follow Rt. 501 North to village of Mt. Aetna, turn left on Market St to Greble Rd., 1 mi to sale. Beulah E. Troutman Estate Dave Risser, Auctioneer

SAT. DEC. 17 - 9 AM
Public Auction of Blacksmith Tools, Farm Items, Antiques and Household. Located 7 mi east of Gettysburg or 3 mi. west of New Oxford on Rt. 30, then turning north onto Swift Run Rd., 1/2 mi. to sale in Adams Co., PA Russell Samuel Osborn Estate Clair R Slaybaugh, Auctioneer.

GO THE AUCTION WAY

Get The Most Money For Your
Clean Furniture - One Piece
Or The Entire Household

Pickup Service Available

Weekly Auctions For The Past 12 Years

CALL
FARMERSVILLE AUCTION

Farmersville, PA

717-354-5095

John J. Rutt

PUBLIC AUCTION

OF FARM EQUIPMENT,
TRACTORS & TRUCKS

THURSDAY, DECEMBER 8, 1983

10:00 A.M.

LOCATION:

A - Going north on Rt. 13, from Harrington, Delaware to Felton, Del., go approx. 2 miles, turn left at Paul Calloway Furniture (Rt. 289), go over R.R. crossing to crossroads, turn left, 1st. farm on the right.

B - Going west on Dorman Street, Harrington, Del. (Rd. 78), go approx. 9/10 mile or 2nd farm on left. (Signs will be posted).

1972 Ford F600 truck w/14' grain body, 1966 G.M.C. 4000 truck w/14' grain body, Massey Ferguson 750 combine (diesel) w/cab, 15' grain head (approx. 600 hrs.), Massey Ferguson 1100 diesel tractor w/2297 hrs., Oliver 1655 diesel tractor w/2022 hrs. & hydraulic shift, Oliver 1550 diesel tractor w/2513 hrs. & hydra-power drive, Oliver 66 tractor, Oliver 77 tractor & loader, I.H. A tractor w/1 row, cult., 1 - 16" plow / fertilizer attach., Case 4 - 16" plows, M.F. 6 - 16" plows, M.F. 5 - 16" plows, J.D. 5 - 16" plows, 2 Case 4 row cultivators, 2 Lilliston 4 row cultivators, Ford field cultivator, Oliver #247 chisel plow, Oliver 15' disc harrow, Oliver 12' disc harrow, Oliver 4 row No-Till planter, Oliver #543 4 row corn planter, J.D. 17 spout grain drill, Oliver 3 section drag harrow, J.D. 3 p.h. spring tooth, M.F. scrape blade, Oliver 7' sickle mower, Clark 250 gal. sprayer, 3 p.h. boom, flat bed wagon, funnel body wagon, Clark saddle tank sprayer, Midwest 15' leveler, 160 gal. gas tank w/pump, seed easy seeder, Sta-Rite transfer pump, Forney welder, Victor acetelylene torch w/cart, 2 Homelite chain saws, pickup racks, anvil, block & pulleys, chain, seeder, wheelbarrow, pipe vise, pipe dies, hyd. cylinders, walking plow, walking chain, seeder, wheelbarrow, pipe vise, pipe dies, hyd. cylinders, walking plow, walking cultivator, Oliver #40 s/p combine parts, platform scales, oil pump, milkcan, tractor umbrellas, pipe fittings, seed cleaner, water pump, trucks, tires & wheels, windows, doors, rakes, shovels, hoes, belts, axes, grease gun, chicken crates, lot of misc. lumber, scrap iron, nuts & bolts, lot of misc. electric tools, lot of misc. hand tools and many other items.

MRS. DENELDA MOORE

(Mrs. Jack Moore)

Harrington, Delaware

ALSO SELLING:

IHC 504 tractor, Oliver tractor 88, IHC tractor AV, MF 44 cornhead, New Idea mulcher, MF wagon w/body, John Bean sprayer, 2 gandy boxes, IH 12 row planter Cyclone IH 500, potato grader, washer, roller & pick up table, 2 potato scales exact weight, Haines 48" conveyor belt, Hallock double potato bagger, 2 Hallock single potato bagger, Haines potato washer, 2 Detecto potato scales, Ziggy bulk potato body w/electric 1 h.p. motor w/gear box, 2 Ziggy 14' potato body w/electric 1 h.p. motor w/gear box, 2 hand trucks.

IRRIGATION EQUIPMENT:

95 pcs. irrigation pipe 4" x 40', 95 pcs. irrigation pipe, 7" x 30', 8 pcs. irrigation pipe 5" x 30', I.H. 345 irrigation power unit w/pump, 2 7" elbows, irrigation gun, 8" suction line, 4 - 5" line reducer, 9 - 7" valves, 4 openers, 4 end plugs, 4 couplings pipe, 50 sprinkler, 4 elbows, discharge adapter, 7" reducer.

ROBERT BARRET, Owner
Milford, Delaware

TERMS: Cash, travelers check or approved check w/current letter of credit from your bank.

Wilson's Auction Sales, Inc.

P.O. Box 84, Rt. 113

Lincoln, Delaware 19960

Dave Wilson Auctioneer & Sales Manager

(302) 422-3454 or 856-2110

AUCTIONEER'S NOTE

This sale will consist of some fine quality Farm Machinery & Equipment

PLAN TO ATTEND THIS SALE!

Fork lift will be available for loading equipment.

PUBLIC SALE

OF REAL ESTATE

(2 1/2 Story Brick House w/7 Rooms & 1 1/2 Baths)

POWER SHOP EQUIPMENT

HAND & GARDEN TOOLS

HOUSEHOLD GOODS

WED. DECEMBER 14, 1983

At 11:00 a.m.

Loc. at 822 E. Chestnut Street,

Lancaster, PA

Real Estate: 2 1/2 story brick house & sep. 1 story frame work shop. Contents: 3 rooms & 1/2 baths on 1st floor; 4 rooms & full bath on 2nd floor; lg. finished room on 3rd floor; full cement basement. Sep. 1 story frame workshop w/hardwood floor, full cement basement & heat. Lot size: 18' frontage by 127' depth. Property will be open for inspection: Sat's Dec. 3 & 10 from 10:00 a.m. until 12:00 noon. Real Estate to be sold at 2:00 p.m.

Power Tools: Delta: drill press & wood lathe. Wallace: band saw, jointer, shaper & table saw. Craftsman: skill saw, bench grinder & shopvac. Saber saw, disk sander, paint sprayer, belt sander, air comp., Singer treadle comm. sew. mach., elec. drills, etc. Hand Tools: fine metal Stanley #55 mold. plane, fine draftsman tool set, lots of other old & modern hand tools. Garden tools. Misc. hardware, nails, screws, etc. Rotary mower, weed whip, 24' wood & 14' alum. ext. ladders, wood & alum. step ladders, other misc. articles not listed. Lumber in: Walnut, cherry, pine, etc. Not responsible for accidents day of sale.

No out of state checks

Sale by

HELEN D. KAUFFMAN ESTATE

John Beyer Atty.

Howard Shaub 464-3541

and Roy C Probst

Auctioneers

PUBLIC SALE

ANTIQUE ENGINES, TRACTOR &
TOOLS, HOUSEHOLD ANTIQUES

FRIDAY, DECEMBER 30, 1983

9:30 A.M.

LOCATED: York Co., Pa. - Ridgewood Rd., east of Avalong Restaurant off Rt. 30. (Turn east at Tourist Bureau at Avalongs Restaurant to T road, turn left & follow 2 miles to sale on right).

OLD ENGINES &
MISC. FARM ITEMS

New Holland 1/2 hp. w/truck, Ottawa engine w/saw mtd., Wittle engine, John Deere Model A Standard, 1 row horse corn planter, plate mill, 1 cylinder Shepard diesel motor mtd. on wood saw, 2 hole butcher furnace, straw cutter, iron kettle, 1 horse culti., walking plow, hand corn sheller, 1 hole sheller, scalding trough, double trees, saw buck, clover seeder, lumber & post, chicken feeder, electric motor, 2 bottom IH plow, shovel plow, small 4 wheel wagon on steel w/bed, 28 blade disk, 2 horse drawn mower, bench vise, steel wheels, 20 blade disk, cultipacker, roller, 2 section harrow, cement mixer, old wrenches, belting, belt lacer, chain, anvil, bolt cutters, vice, lawn mowers, misc. tools, Maytag motor & other motors.

ANTIQUES &
HOUSEHOLD GOODS

6 Oak dining room chairs, 5 leg Oak table w/boards, kerosene light, cook stove, clothes tree, Oak stand, blanket chest, cane rocker, antique wooden bed, 2 cane bottom chairs, towel racks, Oak kitchen cabinet w/roll front & flower bin, Columbian white porcelain cook stove, plank bottom chairs, old wringer, old wash machines, dining room table w/carved legs, table boards, apartment electric stove, metal cabinet, crocks, & other items not mentioned.

TERMS: CASH OR GOOD CHECK.

MARGARET SHAFFER

AUCTIONEER: Blaine N. Rentzel

Emigsville, Pa.

717-764-6412

LAND AUCTION

John B. Landis Farm
Cumberland County, Pennsylvania

122 ACRE DAIRY AND BEEF

Offered in 9 Parcels,
Combinations and Entirety

Inspection: Saturday, November 26, 1983,
10:00 A.M.--4:00 P.M.

SATURDAY, DECEMBER 17, 1983
1:00 P.M.

1/4 mile east of Bloersville. Turn off Rt. 641, between Carlisle and Newville, on to Bloersville Road, 3 miles to Bloersville, turn right onto Baughman Road, 1/4 mile to farm. Look for signs



JOHN B. NIESLEY
BROKER-AUCTIONEER

32 W. High Street, Carlisle, PA 17013
(717) 249-8787

FOR DETAILED BROCHURE CALL OR WRITE



**PUBLIC
AUCTION**

21 ACRE FARMETTE
Zoned R-300

To Be Offered in 3 Parcels, Or As One
Complete Parcel

MONDAY, DECEMBER 19, 1983

2:00 P.M.

LOCATION: Take Route 272 North from Ephrata to Schoeneck Rd., turn left on Schoeneck Rd., go to village of Schoeneck. Turn left on Mt. Airy Rd., go approx. 1 mile to Sandy Hill Rd. Turn right on Sandy Hill Rd., go 1 block to Hillside Rd., turn left to first farm on left. West Cocalico Township, Lancaster County, Pa.

Tract #1

APPROX. 6 ACRES ZONED R-300

with a total of approx. 2,400 FEET OF ROAD FRONTAGE. Also included is a 2 1/2 story frame dwelling; 4 bedrooms upstairs. First floor contains large eat-in kitchen with built-in cabinets; laundry room; full bath; family room; living room; oil fired hot water furnace with summer/winter hookup; baseboard heat in entire house.

LARGE 40x56 FOOT BANK BARN

175 head hog capacity; 30'x30' tobacco shed; 2 story poultry house, lower floor used to fatten 125 hogs. 32'x68' shop with 12' overhead door for large truck entrance.

• Macadam drive • Well with pressure system
• Mature shade • 1,000 gal. fuel tank.

Tract #2

APPROX. 11 ACRES ZONED R-300

with approx. 730 feet road frontage. Very gentle slope on this cleared farm land.

Tract #3

APPROX. 4 ACRES ZONED R-300

with approx. 615 feet of road frontage, open right-of-way along side and rear portion of this tract.

BUILDERS FARMERS TRUCK OWNERS

or anyone looking for a small farmette DO NOT MISS THIS AUCTION!

Many potential uses for this property. Don't miss large shop area, large barn, and the zoning which allows home building.

Exact acreage and frontage will be available by auction date when new survey will be completed. All herein information is believed to be accurate but is being used for advertising purposes only.

INSPECTION: At open house Saturday, December 10, and December 17, 12:00 Noon to 3:00 P.M., or by appointment, call 267-4438. Balance of farm and land may be seen at any time.

TERMS: 10% down day of Auction, balance at settlement April 1, 1984. Financing by owner by prior approval, call 215-267-6725 or auctioneer, 717-733-3305.

Auction by:

ALLEN S. AND MARY H. NOLT

Phone 215-267-6725

Michael P. Kane, Attorney

Auction Conducted By

John E. and Paul E. Martin Auctioneers

Ephrata, Pa. 717-733-3305

PUBLIC SALE

OF 3 ACRE FARMETTE
FRIDAY, JANUARY 6, 1984
AT 2:00 P.M.

Located along Rt. 23, 1 mile east of Blue Ball, Lancaster Co., Pa.

HOUSE: 2½ story stone & brick house. 1st floor: Lrg. Kit.; Liv. Rm.; Sewing rm.; ½ bath; Large laundry. 2nd floor: 4 Bedrms.; Full bath. Attic storage; Full basement w/cement flr.; OHA heat; Lrg. flagstone porch; Shingle roof; Well & septic system. Cement block 2 car garage.

BARN: Frame bank barn w/tin roof. Lower level has open stables.

OUTBUILDINGS: Block milkhouse (used for small shop); Frame tobacco shed w/cellar & corn crib; 12' x 50' cement silo.

LAND: 3 acres of land, level to gentle slope. Frontage on Rts 23 & 897.

TERMS: 10% down day of sale; settlement by April 1, 1984. Inspection anytime by appointment. Call **HORNING FARM AGENCY, INC.** at 215-286-5183.

TERMS BY:

IVAN M. MARTIN

Atty: Robert Weaver

HORNING FARM AGENCY, INC.

Alvin Horning, Auctioneer

Main St., Morgantown, Pa. 19543

215-286-5183

PUBLIC SALE

KITCHEN & RESTAURANT EQUIP.

Lease Expired Makes Auction Necessary

30 x 30 CATERING TENT

Like New

WEDNESDAY, DEC. 7, 1983

10:00 A.M.

Sale located at 8908 Frankford Ave., Philadelphia. From Rt. 95 exit onto Academy Rd. 1st light left. Go 1 block to Torresdale Center.

RESTAURANT EQUIPMENT

300 lb. Manitowoc ice machine; 4 Amano model 6509 time clocks, excellent cond.; Blakeslee 3 speed mixer, 12 qt. w/grinder attachment; 600 shelves, up to 18" wide; 50 casters; 4 keg Beverageair beer cooler, self contained; stainless steel corner sink w/lever waste drain; toaster; meat wrapper; meat wrapper w/shelf; dish cart; 2 bussing carts; 6 stainless steel baker's racks; stainless steel 3 bowl bar sink; 5 heating & cooling cabinets; 2 bowl pot sink; Hobart model am-11 dishwasher; 20" x 20" dish racks; 2 Hatco boosters, 1 model cc-15 6 gal., 1 model sc-58 16 gal.; 100 gal. hot water heater, new in box; 2 grease traps, good cond.; 2 Hot Tops stoves & oven, gas Vulcan model 787-2A; Vulcan convection oven, model ET-8; 2 Wells food warmers; 34 black oven pans; 29 stainless steel oven pans; 350 bakers pans; 50 2" stainless steel steam pans; 50 4" stainless steel steam pans; 60 wire whips; 3 exhaust fans; Berkel model 180-FA automatic meat slicer; Hobart steamer; Steamer-it steamer; Steam Genny w/table; meat slicer; computing scale; 2 stainless steel coffee urns, 1 8 gal., 1 5 gal. American, gas; coffee pot warmer; coffee table w/drain; 8 stainless steel tables, 3 w/sinks; 6 small stainless steel tables; 19" steam table includes: Bainmarie - Ref. S.S. self contained tecwnsek compressors, S.S. steam table; freezer w/S.S. doors, 4 refig. drawers, self contained; 3 - 2 door Tyler S.S. refrigerators; 1 - 3 door S.S. Tyler Freezer; stainless steel chicken cleaner; floor fan; 3M copier; 2 white sinks; white urinal; 50 3M pads, stripping & polishing; 10 - 5 gal. degreaser; 2 5 ton air conditioners, split system only; 3 new Copeland compressors; 2 corner stainless steel sinks; 2 National cash registers; 2 - 6 ft. portable salad bars; stainless steel cafeteria line, complete unit; U.S. Berkel food grinder; 12 doz. Liberty soda glasses; stainless steel servers; stainless steel table scales; 1961 16 ft. cargo trailer, tandem axle, elec. brakes, 3 doors; 1971 Chevy Cheyenne pick up, 61,000 original miles; 4 Honda ATC 110-CC-3 wheelers 1981 models; AB Dick 990 copy machine; IBM typewriter; bar stools and chairs; Italian ceramic tile; approx. 200 gal. True Test paint; many other items not mentioned pertaining to restaurant equipment.

400 Stock Chairs.

Inspection 8 - 10 A.M. Sale Day

TERMS: Cash or Certified Check.

Owner:

JOHN RYBAS

Auctioneer:

Steve Petersheim:

717-786-4624

PUBLIC AUCTION

Having decided to discontinue our dairy goat operation We, the undersigned, will sell at public auction located 5 mile West of Salem, Ohio or 3 mile East of Alliance, Ohio, on State Route 62 to Twelfth Street then North 5 mile to farm on

SATURDAY DEC. 17, 1983

at 12:30 P.M.

37 REGISTERED FRENCH ALPINE GOATS 37

Consisting of 6-2 year old does milking, 3-3 year old does milking, 3-4 year old does milking, 3-5 & 6 year old does milking, 2-9 & 10 year old does milking, 5 does 18 months old bred, 1-9 year old doe dry and rebred, 12 doe under 9 months old open, 1-3 year old proven buck, 1-5 month old buck.

Auctioneers Note: The O'Brock's have been 20 years in the dairy business, all the above milking does are in good flow of milk and are on D H I R test, some testing over 2000-2200 lbs. of milk. Health and registration papers will be furnished with each animal. Breeding shows Pinehurst, Raymer, Sunshine, Diamond Sunshine and other notable bloodlines. For more information phone Auctioneer.

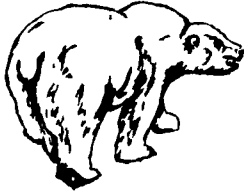
Owners,

KEN & SHARON O'BROCK

Jim Baer, Auctioneer

Ken Baer, Apprentice

(216) 227-3233



Lunch by the Atwater Christian School.

PUBLIC BANKRUPTCY AUCTION

VALUABLE CONTRACTORS EQUIPMENT & SUPPLIES

FRIDAY, DECEMBER 16, 1983

9:30 A.M.

Located at

619 East Ross St., Lancaster Pa.

The following items: 1973 White truck with crane body and boom body used just 2 yrs., Hyster fork lift, 1980 Ford P.U. truck 150 Ranger, 1980 Chevrolet flat bed dump truck with sides GVW 27,000, Roughneck Generator-Welder, M.G. 9 Essex plaster & fireproof pump, Thompson 3.75 plaster and fireproof pump, hoses, pipe, and water meter, variety of Scaffolding wheelbarrows, power mower, 2 lazer beam ceiling levels, 14" chop saws, variety of insulation sheets, bags and rolls, sterofoam and wrthane, lots of footage, drums, dollies, planking, power nailers, drills, chain saw, texture machines, various ladders, air compressor, Mortar mixers, Ariel roofers crane, thousands of feet of track & stud, large glass doors, fireproof and sound proof insulation, fireproof accessories and door, felt paper, joint compound, plaster thin coat, related items for plaster and dry wall work, black iron hot channel, heavy and light stud and track, 550 gal. fuel tank and pump, various pcs. of office furnishings, large safe, desks, chairs, 1 CP model 503 copy machine, Monroe calculators, Facit electric typewriter, also numerous valuable items not listed.

Auction by order of

BARRY A. SOLODKY ESQ.

Trustee in Bankruptcy

in Re. Lancaster Drywalls Co.

A. Penn Corporation

Case #83-04080

E.M. Murry Assocs.

Auctioneers

E.M. Murry Associates

287 Lime Rock Road
 Lititz, PA 17543

Elmer Murry 626 5244 626 2636

Richard Murry 626 8175 949 2280

Ken Miller 665 2073

Professional Auctioneers

Appraisers and Advisors

Since 1953

Public Auction Register

Closing Date Monday 5 00 P M
 of each week's publication

PUBLIC SALE

OF MACHINE SHOP EQUIP. - OFFICE EQUIP. & MISC.

MONDAY, DECEMBER 12, 1983

9:30 A.M.

A.C.C.O. Babcock Inc., 454 East Princess St., York, Pa.

2 - Bridgeport Milling machines, vertical (1 has Tracer attachment), Clausing End Mill, Doall 12" Band Saw, Brown & Sharp Tool Grinder, 2 Spindle Disk Grinder, Surface Grinder, 2 South Bend Lathes - 6" swing 36" bed, Miller Spot Welder, Sheet Metal Roll, drill presses, 14" Band Saw, 6" Electric Pipe Threader, Lodge & Shipley Lathe 10" swing 6 ft. bed, South Bend Lathe 14½x4 ft., Shaper, Turret lathe, Honing machine, stand grinders, electric furnace, belt sander, electric drills, Clarke Srafer, Lay-out table, Gas Fired furnace, Printing Press, portable welder, portable washers, Trip Hammer, But Welder, anvil, metal rack, shop carts & trucks, Lug cutter 3/8 capacity, pump press, Sludge pump, dry tumbler, work benches, sheet metal seamer, Steam Jenny, Tenent sweeper, hydraulic cutter, chain tester w/load cell, Shot Blast Tumbler, file cabinets, office desk wood & metal, lockers, shelving, floor fans, motors & 100's of items not mentioned.

*** All Items Must Be Moved By Dec. 20 - 2:00 P.M. *

TERMS: Cash or Good Check.

Full Settlement Sale Day.

Auctioneer: Blaine N. Rentzel

Emigsville, Pa.

717-764-6412

SAT DEC 17 - 10 A.M.
 Public Auction of Farm Equipment held at the Lebanon Fair Ground, Lebanon Penna by the John Deere Company under secured agreement by Shotzberger's Equipment Co Elm, Pa John E and Paul E Martin, Auctioneers

SAT DEC 17 - 10 A.M.
 Public Auction of Farm Equipment held at the Lebanon Fair Ground, Lebanon Penna by the John Deere Company under secured agreement by Shotzberger's Equipment Co Elm, Pa John E and Paul E Martin, Auctioneers

SAT DEC 17 - 12 30 P.M.
 Public Auction of registered Alpine goats. Located 5 mile west of Salem, Ohio or 3 mile east of Alliance, Ohio, on State Route 62 to Twelfth Street then North 5 mile to farm Ken and Sharen O' Brock, Owners. Jim Baer Auctioneer, Ken Baer Apprentice

SAT DEC 17 - 11:00 A.M.
 Public Auction of full line of farm machinery, combine and trucks. Located on the farm known as Forrest Landing, 6 miles north of Easton, Talbot Co., Md. Charles E. Roe, Owner Clifford S. Andrew and James C. Andrew, Auctioneers

SAT DEC 17 - 12.30 P.M.
 Public Auction of lawn and garden equipment, tractors, mowers, tillers, snowmobiles, tools and accessories. Located 322 East of Ephrata to traffic light in Village of Hinkletown Turn left to Martindale, turn left on Gristmill Road and follow auction signs to auction Lancaster Co., PA Terms by, Lawn Care of PA, Daniel Z. Martin and Son, Randal V. Kline, Lloyd Kreider, Roy Good Jr., Auctioneers

PUBLIC SALE

OF TOOLS, TRUCKS & RACING CARS, ANTIQUES & HOUSEHOLD GOODS

BROWNSTOWN AREA

SATURDAY, DEC. 10, 1983

AT 9 A.M.

Tools first (Trucks & Cars 12 Noon) Trailers at 1 P.M.

Located at Dutch Trailer Court (near Brownstown Vo-Tech), West Earl Township, Lanc. Co., Pa.

Directions: Rt. 272 to Church St. — turn left onto Metzler Road to trailer park

10x50 Elcona Mobile Home with tip-out. 1970 Coachman Travel Trailer 8'x35'; Scott 10x37 Mobile Home.

1979 GMC SIERRA CLASSIC — CAMPER SPECIAL — CLUB CAB & DUAL WHEELS

1977 OLDSMOBILE DELTA 88

MODIFIED STOCK CAR — Small Block, Bud Olson Chassis, Airhears Disc Brakes, Winters Quick Change Rear — Frame and Parts for Stock Car Racer.

L35 NEW HOLLAND SKID LOADER

with Front End Loader and Backhoe Equipment Trailer; Equipment Trailer; Snowmobile Trailer; John Deere 340/S Snowmobile; Polaris TX Snowmobile.

Pine Dining Room Suite; Bar Stools; Bedroom Suite; New Queen Size Mattress and Box Spring; Kneehole Office Desk; Matching Sofa, Love Seat and Chair; Chest of Drawers; RCA Color R.V. (Remote Control, RCA Stereo; Tapes; Kelvinator and Philco Refrigerators; G.E. Automatic Washer & Dryer; Calculator; Portable Phone; Regulator Wall Clock; Iron Horse and Clock; Office Safe.

Avon Bottles; 2 Large Water Bottles in crates; 1 Horse Sleigh; Spring Wagon Seat; Minnich Tobacco Bale Box; Cider Press; Antique Wooden Washer; Wooden Butter Churn; Wooden Planes; Wooden Barrel; Wooden Pulleys; Wood Burning Stove; Bar Scale; Single Tree; 2 Man Saw; Saw Buck; Saddle; Bicycle; Gun Cabinet; Marlin 12 ga. Shotgun; Marlin 22 ga. Rifle; Air Rifle.

2 H.P. FAIRBANKS-MORSE ANTIQUE GAS ENGINE: STEAM CLEANING SYSTEM & Sand Blaster Drill Press & Motor; Bench Grinder; ELECTRIC WELDER; Acetylene Torches & Gauges; Buffer-Grinder; B&D Polisher; Coates Super Star Tire Changer; 2 h.p. Craftsman Air Compressor - Air Impact Wrench; Tool Cabinets; Electric Drills; Circular Saw; Chain Saw; Bench Vises; Power Hack Saw; Cylinder Hones; Torque Wrench; Floor Jacks; Platform Scales; Hydraulic Jacks; Engine Stands; Grease Gun; Automatic Analyzer; Parts Washer; Morgan Nokker No. 9; Simplex Hydraulic Frame Straightener.

Tool Boxes; Battery Chargers; Wrenches; Socket Sets; Hand Tools; Automotive Parts; Tires; Mag Wheels; Axles; Car Ramps; Scrap Metal; Entrance Doors; Commercial Automatic Car Wash.

MICHAEL E. BURKHOLDER ESTATE

T. Glenn Horst, Auct. — 859-1331

Timothy G. Horst, Auct. — 738-1245

Public Auction Register

Closing Date Monday 5:00 P.M.
of each week's publication

MON. DEC. 19 - 2 PM
Public Auction of 21 acre Farmette zoned R300, 1 mile West of Schoeneck, just off Mt. Airy Road by Allen S. and Mary H. Nolt. John E. and Paul E. Martin, Auctioneers.

MON. DEC. 19 - 11:00 A.M. Public Auction of farm equipment Tractors, Combine, trucks, and trailers. Other equipment. Located 5 miles east of Denton, Md on Rt. 404. Mr. and Mrs. James Wooters Jr., Owners. C. Curtis Andrew and Mike Roe Auctioneers.

FRI. DEC. 30 - 9:30 AM
Public Auction of Antique Engines, Tractor and Tools and Household Antiques. Located in York Co., PA, Ridgewood Rd., east of Avalong Restaurant off Rt. 30, turn east at Tourist Bureau at Avalongs Restaurant to T road, turn left and follow 2 mi to sale on right. Margaret Shaffer, Owner. Blaine N. Rentzel, Auctioneer.

JANUARY

TUES. JAN. 3 - 2 PM
Public Auction of Farm Located at the west end of Longlane Rd., from Blue Ball take Rt. 23E to Rt. 897N, go approx 2 mi to Longlane Rd., turn left to property, East Earl Twp., Lanc. Co., PA. Ivan M. Martin, Owner. Horning Farm Agency, Inc., Auctioneers.

FRI. JAN. 6 - 2 PM
Public Auction of Farmette Located along Rt. 23, 1 mi. east of Blue Ball, Lancaster Co., PA. Ivan M. Martin, Owner. Horning Farm Agency, Inc., Auctioneers.

FRI. JAN. 6 - 10 A.M.
Horse Sale at New Holland Sales Stables, Inc. 12 Miles East of Lancaster off Rt. 23 in New Holland, Pa. Abe Dffenbach, Manager.

FRI. JAN. 20 - 9:30 AM
Public Auction of 5 Head Horses, 40 Head Holsteins and a Good Line Farm Machinery. Located in Centre Co., PA on Rt. 45, turn south on Fiedler Rd. Mr. and Mrs. Jacob Hersberger, Owners. Mark Glick, Auctioneer.

FRI. JAN. 20 - 10 A.M.
Horse Sale at New Holland Sales Stables, Inc. 12 miles east of Lancaster off Rt. 23 in New Holland, Pa. Abe Dffenbach, Manager.

FRI. JAN. 27 - 1:30 P.M.
Dairy Cattle Sale at Penns Valley Livestock Auction, Centre Hall, Pa. (at the intersection of Rt. 45 and 144) Ron Gilligan, Auctioneer.

FEBRUARY

FRI. FEB. 3 - 10 A.M.
Horse Sale at New Holland Sales Stables, Inc. 12 miles east of Lancaster off Rt. 23 in New Holland, Pa. Abe Dffenbach, Manager.

FRI. FEB. 10 - 9 A.M.
Public Sale of Farm Machinery at New Holland Sales Stables, Inc. 12 miles East of Lancaster off Rt. 23 in New Holland, Pa. Abe Dffenbach, Manager.

SAT. FEB. 11 - 9:30 AM
Public Auction of Horse Drawn Farm Machinery, Horses and Harness. Located 1 mi north of Strasburg on Herr Rd. David King, Owner. Steve Petersheim, Auctioneer.

THURS. FEB. 16 - Public
Auction of Farm Equipment, Household Goods and Livestock. Located 2 mi northwest of New Holland, turn off of Rt. 23 on N. Shirk Rd. at Goods Furniture, 1st road left on Amishtown Rd., Lanc. Co., PA. Emanuel S. Lapp, Owner. Robert E. Martin and Son 656-7770, and Frank L. Steller, Auctioneers.

FRI. FEB. 17 - 10 A.M.
Horse Sale at New Holland Sales Stables, Inc. 12 miles east of Lancaster off Rt. 23 in New Holland, Pa. Abe Dffenbach, Manager.

SAT. FEB. 18 - 9:30 AM
Public Auction of Draft Horse, Mules, Drivers and Meat Horses. Located at the Belleville Livestock Market Mark Glick, Auctioneer.

SAT. FEB. 18 - Auction of
horse drawn farm implements and tools.

FRI. FEB. 17 - Public
Auction of Farm Equipment, Household Goods and Livestock. Located along Rt. 30, between Kinzers and Gap, Lanc. Co., PA. Amos Yoder, Owner. Robert E. Martin and Son, 656-7770 and Frank L. Steller, Auctioneers.

HAY, STRAW, GRAIN, FIREWOOD & LUMBER AUCTION

2nd & 4th Tuesday
of each month

At the Westminster
Livestock Auction Grounds,
Along Rt. 31, Westminster, MD

Sellers & Buyers Welcome

Call Nevin E. Tasto

301-374-4067

or

Tuesday of Sale

301-848-9820

PUBLIC SALE

DECEMBER 9, 1983



SHERIFF'S SALE

By virtue of certain Writs of Execution, issued out of the Court of Common Pleas of Franklin County, Pennsylvania, and to me directed, I will expose at public sale by public venue or outcry, in the Franklin County Courthouse, 3rd Floor, Jury Assembly Room, Chambersburg, Pennsylvania at 1:00 o'clock P.M. on the above date, the hereinafter mentioned real estate.

All parties in interest and claimants are hereby notified that a schedule of Distribution will be filed by the Sheriff on January 6, 1984 and that distribution will be made in accordance with said schedule unless exceptions are filed thereto within ten (10) days thereafter.

Writ No. AD 1983-261 Civil 1983

Judg. No. AD 1983-261 Civil 1983

**Farmers & Merchants National Bank
of Hagerstown, Hagerstown, Md.**

— vs —

**Jerry E. Martin &
Arlene L. Martin, his wife
Atty: George S. Glen**

ALL THAT CERTAIN following described real estate lying and being situate in Antrim Township, Franklin County, Pennsylvania, bounded and limited as follows:

TRACT NO. 1: BEGINNING at a white oak on line now or formerly of Samuel Hykes; thence along lands of the said Hykes, South 46 $\frac{1}{4}$ degrees West, 24.2 perches to a stone, corner of lands now or formerly of Rahauser heirs; thence with lands of the said Rahauser heirs and other, South 13 degrees East, 114.34 perches to a stone; thence with lands now or formerly of William Martin, North 89 $\frac{1}{4}$ degrees East, 40 perches to a stone; thence by Tract No. 2, North 17 $\frac{1}{4}$ degrees East, 58.14 perches to a stone; thence with Tract No. 2, and with lands now or formerly of Roy Shank, North 42 $\frac{1}{4}$ degrees West, 97.7 perches to the white oak, the place of beginning: CONTAINING 38 acres and 146 perches, neat measure.

**For further information, contact R. L. Frey, Senior Vice President,
Farmers & Merchants National Bank of Hagerstown,
Hagerstown, MD (301) 733-5454.**

Located 2 miles northwest of White Horse alone Meadville Road in Salsbury Township, Lancaster Co. PA. Enos King, Owner. LeRoy S. and Paul W. Horst, Auctioneers.

FRI. FEB. 24 - 9 AM Public
Auction of Antique Tractors and Engines, New, Used and Abused Farm

Equipment, New Tools and Fruit. Located 10 mi east of Lancaster, 2 $\frac{1}{2}$ mi. west of New Holland, turn off Rt. 23 on S. Groffdale Rd., turn left on Musser School Rd., Lanc. Co., PA. Elias S. Beiler, Owner. Robert E. Martin and Son 656-7770, Frank L. Steller and Blaine Rentzel, Auctioneers.

WHITEFORD SALES CO.

Box 100

Uwchland Post Office

Eagle, PA 19480

Has been Chester County's Leading Auction Co. for the last 26 years in dairy and livestock auction.

We also sell real estate, construction equipment, farm machinery, trucks and trailers and antiques.

Before you give your auction to someone else call and allow us to evaluate your once in a lifetime savings. The day after may be too late! We have the experience and know the value of your real estate or personal property so we can get you top dollar.

We also will buy your complete spread. Call now for 1984 auction dates.

Phone Whiteford Sales Co.

215-458-5060

Auctioneers

L. Robert Frame and Son

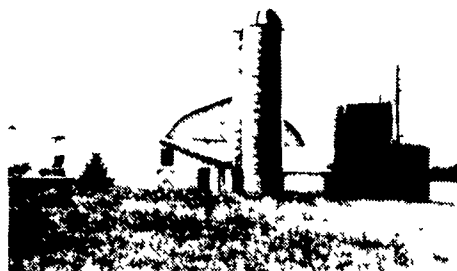
215-458-8518

Or Call Vintage Sales Stables, Inc.

717-442-4181

Call anytime day or night.

"Eastern PA's Foremost Auction Co."



TRACT NO. 2: BEGINNING at a point in the middle of the public road; thence along lands now or formerly of Roy Shank, North 63 degrees West, 9.12 chains to a stone; thence along same, South 89 $\frac{1}{4}$ degrees West, 7.79 chains to a stone, corner of Tract No. 1; thence along said Tract No. 1, South 41 degrees East 1.44 claims to a stone; thence along said Tract No. 1, South 20 $\frac{1}{2}$ degrees West, 7.20 chains to a stone, corner of lands now or formerly of William E. Martin; thence along lands of said William E. Martin, South 67 $\frac{1}{4}$ degrees East, 11.47 chains to a stone; thence along same, South 84 degrees East, 1.26 chains to a stone in the middle of the public road, North 34 $\frac{1}{2}$ degrees East, 9.87 chains to the place of beginning: CONTAINING 14 acres of land, neat measure.

BEING the same real estate which J.E. Hafer and Edith P. Hafer, his wife, by deed dated December 8, 1966, recorded in Franklin County, Pennsylvania, Deed Book Volume 609, Page 779, conveyed to Jerry E. Martin and Arlene L. Martin, his wife.

LESS, HOWEVER, that portion of Tract No. 2 above being Lots Nos. 1 through 6 on a plan of lots laid out for the mortgagors by draft of Harry Knox, R.S., approved by the Supervisors of Antrim Township on May 15, 1967, recorded in Franklin County, Pennsylvania, Deed Book Volume 288, Page 513, as amended by a plan approved by said Supervisors May 12, 1969, recorded in Franklin County, Pennsylvania, Deed Book Volume 641, Page 496.

TOGETHER with an easement of a private roadway extending from Pennsylvania Route No. 16 to the above described real estate as granted in indenture from Jaye I. Meyers et al dated February 16, 1971 recorded in Franklin County, Pennsylvania, Deed Book Volume 658, Page 691, to the mortgagors herein.

TOGETHER with improvements thereon erected consisting of a two-story brick farm house with 10 rooms. Barn and milking parlor. Harvestore silo and other outbuildings, Fixed for Dairying.

BEING sold as the property of Jerry E. Martin and Arlene L. Martin, Writ No. AD 1983-261.

SAT. FEB. 25 - CONSIGN-
MENT SALE Const Equip., Trucks, Trailers & Contractors Equip to be held at the property adjacent to the Ramada Inn off Rt. 95 in Essington, Pa., just south of the Philadelphia Int'l. Airport. Vilsmeier Auction Co., Inc.

TUES. FEB. 28 - 9:30 A.M.
Public Sale of farm machinery and tractors. Located along Meadow Valley Road 1 $\frac{1}{2}$ mile west of Ephrata. By Edwin Horning and Sons. Ralph Horst and Blaine Rentzel Auctioneers.

PUBLIC AUCTION

OF
FULL LINE FARM
MACHINERY,
COMBINE & TRUCKS

on
SATURDAY, DEC. 17, 1983

at 11 o'clock a.m.

Rain or Shine

located on the farm known as Forrest Landing, 6 miles north of Easton, Talbot County, Maryland

Directions: From the junction of Rt. 301 & 213 take Route #213 to Route 50. Turn left onto Rt. 50 (south) at Wye Mills and proceed down Route 50 thru Skipton to Longwoods Rd. (Rt. 622). Turn right onto Longwoods Rd. travel approximately 2 miles to the intersection of Longwoods Rd. and Forrest Landing Road. Turn right onto Forrest Landing and go 1 $\frac{1}{2}$ miles to Forrest Landing entrance (two large brick gate posts); turn right onto dirt lane go approximately $\frac{1}{4}$ mile to location of sale. Signs will be posted from Rt. 50 & Longwoods Rd.

TRACTORS

Allis-Chalmers 7060 tractor (20.8-38 dual wheels; 1400 hrs.) excellent condition.

International 966 tractor (new 18.4-34 rear tires) excellent condition

COMBINE

John Deere 6600 combine in good condition; 14 ft. grain table and 4 row wide corn head (444) Heads will be sold separately

TRUCKS

1974 International 1700 Loadstar truck with 16 ft. Meadows dump body and grain sides in excellent condition (less than 16,000 original miles)

1978 International 1700 Loadstar truck with 18 ft. grain body (less than 9,000 original miles) excellent condition.

FARM MACHINERY

International 7 bottom on land moldboard plow (#720) with buster bar. International 5 bottom semi-mounted moldboard plow #550 with mid-west harrow; Massey Ferguson 21 ft. fold up disk (#820, practically new) Brillion 23 ft. fold up cultipacker; Allis-Chalmers 14 ft. disk (new 20" blades) Brillion 14 ft. cultipacker with transport wheels; John Deere 8300 23 tinegrain drill (practically new, used on less than 500 a.). John Deere 7000 4 row wide Max Emerge corn planter; (dry fertilizer, no-till attachments); John Deere 6 row 30" rotary hoe (practically new, used on less 200 a.) John Deere 145 manure loader; John Deere #34 manure spreader (practically new); Westgo 3p.h. 4 row cultivator; John Deere 3 p.h. 4 row cultivator (RM); Case 12 ft. chisel plow; Allis-Chalmers 14 ft. field cultivator (With Midwest harrow); Brillion 14 ft. roller harrow (solid rollers); Amco 3 p.h. p.t.o. ditcher (new, used only 1 day); Bush hog 7 ft. pull type rotary mower; John Deere running gear with oak flat body; 18 ft. wick bar; Clark field sprayer (12 row wide); John Deere 3 p.h. woodsplitter; Allis-Chalmers 6 ft. 3 p.h. scrape with extension; dual wheels for 966 tractor; 2 18.4-34 6 ply tractor tires and tubes; Allis-Chalmers 310 lawn tractor; 2 bottom 3 p.h. 14 inch Ferguson plows; Other articles to be sold off wagon first including sickle servicer; new parts, possibly some household articles etc.

Auctioneers' Note: Most of this machinery is either practically new or in new condition. Trucks will be inspected prior to sale. There are very few small articles so if anyone wishes modern, well kept machinery plan to attend this sale. This is an absolute auction; everything must be sold day of sale.

TERMS: Cash, cashier's or certified check or current letter of approved credit from bank. Local checks accepted on approval of owner.

Not responsible for any accidents.

Owner:

CHARLES E. ROE

Rt. 2, Box 506

Easton, Maryland

301-822-4425

AUCTIONEERS

CLIFFORD S. ANDREW

JAMES C. ANDREW

Lunch will be served

Walebe Farms

American Bank & Trust Co. of Penna. - Secured Creditor in Possession

MACHINERY & SHOP EQUIPMENT SALE

Location: At the farm under cover - Collegeville, Pennsylvania.

DIRECTIONS: From Collegeville, PA go 1½ miles south on State Route 29, turn right on Hopwood Road; ¼ mile to farm. Watch for sale signs.

TUESDAY, DECEMBER 6, 1983 at 9:30 A.M.

OFFICE EQUIPMENT, VETERINARIAN SUPPLIES & SHOP EQUIPMENT

Beehive Int'l DM3270 Computer w/screen & keyboard; Texas Inst. Omni 800 KSR terminal printer w/keyboard; Canon NP 400F copier w/stand & colator; Adler elec "element" typewriter, Citizen & other assorted calculators; Tec MA 190 electronic cash register; Meilink 24" x 24" Combination safe; Lathen & Simplex time clocks & racks; Combination 2 & 3 drawer steel file cabinets w/2 & 4 dr. index files; 2 door metal storage cabinet; legal & letter size metal file cabinets; 10' pine conference table; double pedestal wood & metal desks; executive swivel arm chairs, Spindle back arm chairs & other good assorted office chairs.

Minn. Valley A 7000 S.S. semen tank & other smaller assorted size semen tanks; small incubator; double S.S. trough sink, Coldspot refrigerator/freezer; assorted veterinarian supplies.

Manley 190 sixty ton hyd. press w/accessories; Wright 1½ ton & Yale 1 ton manual chain hoists w/trolley; A Frame w/½ ton chain hoist; Saylor-Beal 5 H.P. vertical air compressor; 10 ton hydraulic floor jack,

Gray TNT 500 H.D. air bumper jack Hein-Werner transmission jack; hydraulic jacks; jack stands; Keller elec. hack saw; solar HD 450 battery charger, new; Miller 225 AMP. AC/DC power & welding generator, model AD 225L gasoline powered; Airco 200 Amp. DC Mig Welder; Miller 180 Amp AC/DC welder; Forney welder; Acetylene carts w/hoses, gauges & tips, welding table w/large vise; 6' wooden 26' steel top work tables; Wilton bench vise; Aige Anvil; Craftsman ¾ HP double bench grinder; Graco ceiling mounted grease dispensing reels; 275 gal. steel tank w/2 Graco air powered lube pumps; L&A elec. pressure washer; L&A gasoline powered portable pressure washer; Clean Master 70 parts washer; Craftsman shop vac; Alum. & wooden extension ladders; log chains; C-clamps; sections of steel shelving; quantity of parts, air, oil & fuel filters, bolts, nuts, washers; pulleys, etc.; assorted flat stock angle & steel pipe w/rack; & other tools & accessories to complete a large well operated farm shop; Matomco Moisture Meter.

WEDNESDAY, DECEMBER 7, 1983 at 10:00 A.M.

TRACTORS & EQUIPMENT

Case 2870 diesel 300 H.P. four wheel drive tractor, fully equipped w/cab & only 1697 hrs.; Int. 1566 diesel 1836 hrs.; Ford 8700 diesel tractor w/blower, dual wheels, cab w/air, hydraulic system 624 hrs.; Int. 1066 diesel tractor w/dual wheels & cab; three Int. 70 diesel tractor, hydrastatic; Int. 656 utility diesel tractor, hydrastatic selling w/Int. 2000 loader; another Int. 656 diesel hydrastatic tractor; Farmall Super C tractor; Int. Cub Cadet 1450 & Int. Cub Cadet 129 lawn tractors; Case 1845 gas "special" unloader.

Int. 915 diesel Turbo hydrastat corn & soybean special, S.P. combine w/recent rebuilt motor selling w/820 16' grain table #863 6 row 30" corn head.

New Holland 912 S.P. haybine w/14' header; Int. 225 SP hay swather; New Holland 258 Rolabar side rake; John Deere wheel rake; Kuhn P.T.O. tedder; 2 Int. 620 12' grain drills hitched in tandem; individual hitches also sells; Donahue 30' drop down implement trailer; John Deere 80 six (30") row no till planter w/dry fertilizer auger; Lely L8R8 fertilizer spreader on tandem wheels; FMC Bean #2020 500 gal. sprayer w/60' boom; Century 250 gal. field sprayer; FMC 3 pt. 100 gal. Orchard sprayer; Martin Scavenger liquid manure spreader; New Holland 970 manure spreader w/hydra lift tail gate; New Idea 3 pt. 8' snow blower; Int. 490 fold up transport disc; Glenco Soil Saver hydraulic chisel plow w/disc unit; Int. 24' Vibra Shank harrow; Brillion 12' cultimulcher; Brillion 8' seeder; Int. 411 rotary mower; 2 Badger tandem axle silage wagons w/roofs; New Holland crop carrier 8 silage wagon; J.D. 14' chuck wagon; UFT Forage dump wagon; Gehl Silage Blower; Feeder Wagons; Butler 320 PTO ensilimizer feeder wagon w/Eaton Metering unit; Knight PTO mixer wagon w/scale; 24' & 28' bale conveyors; various grain augers & feed conveyors; Snow Co. 30' gas powered grain conveyor; Silomatic 20' ring drive silo unloader; Patz 20' silo unloader;

Shaver 3 pt. hydra post driver; tractor hitch dump body on dual wheels; farm trailers; hydraulic cattle trimming/operating table; 15' portable loading chute; Ag Tronic 1200 B portable lvst. scale; portable squeeze chute; head lock catch panels; 4 new Igloo calf hutches; 58 wooden calf hutches; Holland mechanical transplanter; Holland plug planter, both new; Massey Ferguson 3 pt. 2 bottom plow; Ford 6 bottom plow, 2 Agrametal bedding choppers w/7½HP Honda motors; Agrametal PTO straw bale shredder; Uebler 780 elec. S.P. feeder w/electronic scale; WIC portable grain feeder; portable barn fans; Thermo King refrigeration unit; two 23.1 x 26 tires & wheels, 1 new; Wooden Calf stalls.

VEHICLES

1978 Chev. Silverado 30 crew cab 1 ton dualic PS automatic air; Eby alum. 20' tandem livestock trailer; Double D 30' 3 axle alum lvst. trailer; 1973 Ford L 9000 tandem axle road tractor w/318 Detroit diesel engine, 13 speed road ranger transmission, new paint; 1970 Ford 900 gas single axle road tractor; 1965 Int. tractor w/220 Cummins engine, selling for parts; 1975 Ford 350 truck w/flatbed; 1967 Chev. ¾ ton pickup; 1968 & 1969 Ford Econoline Vans; 1958 Ford F800 truck w/16 ft. dump stake body, needs motor; two 1970 Frye 26' hydraulic dump alum. tandem trailers; 1967 strick 36' open top tandem trailer; 1964 Fruehauf 40' alum. livestock trailer w/tandem axle; Brown 38 ft. tandem trailer; 34 ft. storage trailer; auxiliary fuel tank for pickup.

1977 Ford F-750 Straight Flat Bed w/Tilt Bed.

1971 I.H. Pickup Truck.

1961 Ford C 600.

1966 Ford 700 Livestock Body.

Financing Available: Contact A/B & Trust Co. of PA, Box 1102, Reading, PA 19603

Well in advance of the sale. All others, cash or approved check.

— Sale Managed By —
MELVIN KOLB, INC.

2220 Dairy Road, Lancaster, Pa 17601
717-569-6800 or 569-2106

Auctioneer:

Robert Mullendore
Boonsboro, MD
301/582-0546

Lunch Will Be Available Sale Day

SHORT NOTICE PUBLIC SALE



for Kenneth Wolfskill, Berks Co.
COMPLETE MILKING & BRED HEIFER DISPERSAL

FRIDAY, DECEMBER 9, 1983 at 7:30 P.M.

To be held at Smoketown Quality Dairy Sales Co. Smoketown PA. Rte 340. 5 mile East of Lancaster. 5 mile West of Intercourse.

36 REGISTERED & GRADE COWS & HEIFERS

27 Milking, 9 Heifers, 2 are Bred and 7 are Open. Rolling herd average 19,860m, 729f, D.H.I.R. testing 15 cows over 20,000, 5 V.G. Avg. 64.9 lbs. milk per cow per day. - In top 12 for past 15 mo. on Berks Co. D.H.I.R. report. Somatic cell count 121,000 - 1st place 1982 - 3rd place 1981.

SELLING

BOBBI - 5 yr. VG 86 Elev. VG Mammary. Due 3-14 to Chairman. Cow Index +1454 +43.

2-2 - 337 - 23,789 - 3.7 - 881
3-3 - 361 - 24,974 - 3.7 - 933

Dam & Grdam both VG & both have 2 records over 20,000.
Appraised for \$10,000, last year.

TINA - 5 yr. VG 86 Ivanhoe Jerry. VG Mammary. Due 2-6 to Fivebrooks Starfire. Cow Index +914 +13.
2-2 - 325 - 16,770 - 3.4 - 567
3-2 - 311 - 18,581 - 3.5 - 657

Dam - VG Double Triune Ex Mammary. Proj. 20,269 - 783.

BONNIE - 4 yr. VG 86 Kit Builder Excel. VG Mammary. Due 1-7 to Pete. Cow Index 898 +21.
2-4 - 272 - 13,798 - 3.7 - 505.
3-3 - 298 - 17,905 - 4.0 - 717.

GINGER - 3 yr. G+83 Molly Chief. Could easily be class VG - VG Mammary. Due 5-14 to Ijon. Cow Index +926 +11.

2-5 - 283 - 16,024 - 3.4 - 546
Fr. 5-1 milking 84 lbs. 3.7 Proj. 24,210 - 839.

2 Daughs. Sell -

Conductor Gr. Daugh. Due 3-20 to Chairman and 7 mo. old Ijon.
Her Dam G+84 Complete. 3 rec over 20,000.

LYNN - 3 yr. Valiant. Due 1-3 to Sir Glendell Neutron ET.
2yr. - 362 - 16,564 - 3.6 - 591.

Dam - VG Astronaut 22,400 - 4.5 - 1012.

VIOLET - 3 yr. Rocket. Due 1-3 to Venus.
2yr. - 345 - 22,247 - 3.3 - 745.

ABBY - 6 yr. Elev. Jack. Milking 86-3.7.
3yr. - 331 - 22,421 - 4.0 - 891.

4yr. - 315 - 21,810 - 4.0 - 880.

Heifer Calf by Spirit.

JACKIE - 4 yr. G+83 Conductor. Fr. 9-28 milking 103-3.7. Cow Index +1189 +48.

2-4 - 331 - 17,562 - 4.3 - 753.

3-4 - 356 - 20,922 - 4.2 - 891.

Dam VG Kingpin with 18,720 - 3.9 - 727 - 305.

SONJA - G+84 Archie Fr. 9-4.
308 - 17,156 - 4.1 - 705.

Daugh. by Brooks Twain Valiant Sammy. Due 6-4 to K Way Apostle Vic.

CATHY - 3 yr. Ivan Star. Fr. 10-18 milking 83 lbs. - 3.9.
2yr. - 298 - 13,820 - 3.7 - 512.

Columbus Heifer Calf.

JUBILEE - 3 yr. Elev. Pabst. F7-15 milking 73-3.9. Proj. 19,980 - 710. Cow Index +1141 +32.
2yr. - 300 - 17,529 - 3.5 - 622.

GRADE 11 - Fr. 10-23 milking 100-3.7.
3yr. - 286 - 19,152 - 729.

Heifer Calf by Lime-Rock Lindas Lark ET.

GRADE 35 - Fr. 10-17 milking 110-3.3.

2yr. - 274 - 20,316 - 603.

3yr. - 274 - 20,867 - 696.

4 yr. - 293 - 25,837 - 742.

Yearling dau. by Twilight.

6 mo. Grade Heifer

Dam - 21,985 - 4.0 - 847.

23,080 - 3.8 - 851

GRADE 33 - Fr. 9-10 milking 84-3.6.

3 - 305 - 21,584 - 3.5 - 756.

4 - 326 - 23,381 - 3.2 - 747.

5 - 360 - 21,633 - 3.6 - 780.

GRADE 81 - Due Jan. to Editor.

343 - 21,019 - 3.7 - 794.

294 - 20,697 - 3.9 - 802 Inc.

GRADE 48 - 267 - 20,823 - 3.7 - 774.

F11-26-83 328 - 21,387 - 3.8 - 844.

335 - 22,897 - 4.1 - 947.

GRADE 74 - 311 - 22,795 - 4.2 - 961.

Proj. this yr. 23,786 - 988.

Also selling same day - One load of Reg. & Grade Cows and Heifers consigned by Johnny Jr.:

Reg. C. Shorelea Citation Mark A - Born 1-9-81. Daughs. Avg. 17,455 - 3.47t. 606F. Dam - Willow Daugh. GT 82. Cow Index +307.
2 yr. 2 m. 297 - 14,757.

Reg. 4 yr. old Clover-Hill Tempo-OC. Due to Limestone Standout Strephon. Last Lactation 16,000m. 3.9t.

Reg. 4 yr. old Caw-Croft-Rag Apple Lee G.P.81. 3 yr. 280 16,074m. 511F. Fresh milking 88 lbs. Selling her heifer calf by Columbus - TPI +713 +2596m. +70F. Daughs. Avg. 21,492.

3 Reg. Bulls

Reg. Bull Born Oct. 82. Sire S.W.P. Valiant Son, pick out of 4 bulls.

Dam- Ex 90 Elevation.

4 yr. 21,342m. 3.6t. 761F.

Next Dam- Ex 90 Ivanhoe Gr. Daugh. 2 records over 1,000F.

Next Dam- Ex 90, records up to 950F. 4.2t. Big strong Bull, ready for service.

Sire- Ocean View Sexation- Born 12-9-82. Dam- Score 83, Sparkle Stream Altitude Print.

2y. 315da. 16,708M 565F.

3y. 321da. 20,611M 670F.

Gr. Dam- Sparkle Stream Pierre Pearl, Score 84.

4y. 350da. 23,790M 4.4T. 1053F.

Sire- Wapa Arlinda Conductor- Born 1-12-83. Dam- Sparkle Stream Elevation Val, Score VG 86.

2y. 374da. 17,174M 4.3T 763F.

Gr. Dam- Granville Vera Charmer, Score 84.

10y. 357da. 24,232M 4.3T 1063F.

Sale Managed by
SMOKETOWN QUALITY DAIRY
SALES CO., INC.
GORDON & HELEN FRITZ
717-393-0930 LUNCH BY SUBLETTE

Cows milked at regular time.

Cash or good check night of sale.

Carl Diller & Reed Luce, Auctioneers
Henry Kettering, Pedigrees

FARM EQUIPMENT

for Kenneth Wolfskill, Berks Co.
To Be Sold First

FRIDAY, DEC., 9, 1983

At Smoketown Quality Dairy Sales Co., Inc., Smoketown Pa.

1850 Oliver Diesel Tractor WFE; tank manure spreader; 30' Little Giant elevator; 6' scraper blade 3 pt. hitch excellent shape; 25 KW alternator only run 10 hrs. PTO driven; Fox blower #BHB; Ubler gas power big silage cart; 3 pt. hitch with 2 tongues for lifting round bales; portable working catching crate for hogs with locking head gate. These are all farm related items.

D34—Lancaster Farming

Saturday,

December 3, 1983

PIGS

"STATE GRADED"

FRI., DEC. 9th

1:30 P.M.

GRADING

8:00 A.M.-12 NOON

CARLISLE

LIVESTOCK

MARKET, INC.

Exit 12 Off I-81

(717) 249-4511 or

Evenings Jim, 249-2359



NEED
MORE ROOM?
Read The
Classified
Real Estate Ads

GRAIN BIN & DRYING EQUIPMENT AUCTION

THUR., DEC. 8, 1983 at 1 P.M. Sharp!

Sale for the Commodity Credit Corp. Middlesex County ASC committee. Place - at the Gaylord Farm #88 Ridge Road, RD#2, 2 miles West of Monmouth Junction, N.J. 1 mile East of Rt. 1, on Ridge Rd.

1 P.M. No Small Items!

#1 Grain Systems 9676 bu grain bin 7 ring 27 ft dia. like new #2 Hutchinson big cap. Grain cleaner like new. #3 Hutchinson 61 ft 8" PTO portable auger like new, auger hopper #4 Shivers in bin drying package for 27 ft. bin, model 74 circulator, drying floor, floor supports, Centrifugal fan w/down wind heater Continuous flow augers, sweep augers, unloading auger, grain spreader, motors and controls Ready to operate, used 1 season Attention #1 and #4 sell separately and together, sells the highest way.

Inspection - Dec 1, 1983 from 1 P.M. to 4 P.M. or by appointment with C.C.C. or ASCS 201-462-0075, 30 day removal time! Land owner, Auctioneer and C.C.C. are not responsible for Accidents before, during and after the sale and not responsible for items sold after the sale!

Terms: Cash or Good Check w/proper I.D. Paid in full sale day! Out of State Buyers Cash, Certified Funds or current Bank Letter of Credit addressed to C.C.C., Middlesex City A.S.C. committee.

Owners

C.C.C. MIDDLESEX CTY A.S.C. COMMITTEE

64 West Main Str., Freehold N.J.

201-462-0075

Auctioneer: Col. Fred R. Daniel Auctioneers Inc.
Neshanic Sta., N.J. 201-369-4784

AUCTION SALE OF CANNING HOUSE EQUIPMENT INVENTORY

Wilson M. Jarboe Equip. Co.
University & Railroad Avenue
Federsburg, Maryland
301-754-9978

THURSDAY, DECEMBER 8, 1983

10:00 A.M.

Lift Truck; SS Crab Cookers; Motors; Boxers; Stainless Can Washers; Tomato Fillers; Hand Pack Fillers; Conveyors; Busse Crate Loader; Retorts; Retort Baskets; Pumps; Scales - Over & Under; Stainless Tanks; Washer, Grader; labellers; Tank w/elevator Belt; Carts on wheels; Metal Steps; Metal Platforms; Dewatering Reel; Gas Fired Boilers w/fans for Grain Drying, etc.; Refrigeration Compressors; Time Clock; Stainless Reels; Stainless Tank w/elevator Worm; Stainless Chain Conveyor; 3" Gear Pump w/motor on Base; Power Roller Conveyor; Stainless Tables; Ace Can Ejectors; New-Way "V" Labeller; Stitchers - (parts only); Stainless Worm; Power Hoist; Electric Boxes; Belting; 29-V Angelus Closing Machine; Electric Mixers; large Vari-Speed; Gear Reducers; Gear Reducers w/motors; Tag Recorders; Meat Scales - 25 lb.; Drink Cooler; Heavy Duty Gear Reducers; Freezing Unit; Store Cooler; Freight Carts; Steam Jacketed Kettle; Pressure Washer; 6" Irrigation Pump w/motor; Gasoline powered Portable Pump; Gasoline Powered Generator; Lift Jack; Juice Filler; Battery Chargers; Cont. Atmospheric #2-1/2 Cooker; Stainless Blancher Reel; Compression Units; Stainless Paddle Conveyor; Crate Dump; Case Sealers; Magnetic Can Accumulator; Stainless Tomato Packing Table; Meat Grinder; Bean Snippers; Bean Graders; Wallace Tierman Mixer; Clam Cutter; Pulleys; Milk Filler; Tilt Steam Jacketed Kettle; Chicken Deboners; Tilt Tank; Can Track; Can Track Tightners; Can Track Drives, Bends, etc.; Electric Pallet Jack; Drum Dryer; Air Blower; Pea Grader; Blower Cleaner; Freezer Door; Cooler Display Cabinet; Sens-O-Gram Units; Mushroom Size Grader; Bottle Caser; Stainless Pickle Injector; Spillover Tank; Pocket Elevator; Key Can Line Separators; Swimquip Chlorine Tank; Johnson Water Pump #JY2; Stainless Tomato Chopper; Bag Sealer; Exhaust Boxes; Iron Worm; Rod Reel; Conveyor Track; Misc. Stainless Tracks, Chutes, etc.; Many Misc. Iron Items; Many, many items too numerous to mention.

(**5% Maryland Sales Tax will be applied to all purchases)

TERMS: CASH or CHECK ON LOCAL BANK -

Out of State Checks must have letter of credit.

Auction Note: Loading facilities available.

AUCTIONEERS:

J. Melvin Schwaninger

Walton P. Taylor

**DEALER IN ALL KINDS
OF LIVESTOCK**
Also Crippled & Down Cattle

MARLIN S. IRWIN

Quarryville, PA
PH: 717-786-3016

WILLIAM AND ANN SCHOELIER MACHINERY AND PRODUCE DISPERSAL

West Bainbridge, New York

FRIDAY, DEC. 9

11:00 A.M.

Sale on the farm, use Bainbridge Exit off 188 to Route 206, 4 miles to West Bainbridge, turn to County Route 17. Go 2 miles to farm. Arrows off 206 and West Bainbridge.

MACHINERY

Clean and Sharp JD 4430 4WD diesel tractor, with cab; JD 4020 diesel, ps, and cab; JD 3010 diesel; Following JD items; 148 front end loader; 110 14' transport disc, 3800 chopper with 2 heads, (2) 716A self unloading wagons, 16' on 12 ton tandem gears 2 years old; 336 baler with kicker, 640 side rake; NH 1469 self propelled gas haybine with cab; Gehl 99 blower, 1 year old.

Of Special Interest - JD 6600 Gas Combine, cab and air, 4 row cornhead; Jamesway-Butler 1830 ensile mixer, 7½ horse power motor for making TMR, like new. Nesseth 24' liquid manure pump, like new, plus produce, shop equipment and barn equipment.

P.S. — A REAL GOOD SALE OF CLEAN WELL CARED FOR ITEMS!

Call auctioneer and complete list will be sent to you.

Terms cash or good check day of sale, with positive ID.

Owners,

WILLIAM & ANN SCHOELIER

Mel Manasse

Sales Manager and Auctioneer

Whitney Point, NY

692-4540

Lunch Available

THE ERINWOOD FARM COMPLETE DISPERSAL

SAT. DEC. 10, 1983

at 11:00 A.M.

On Asbury Road, 2 miles southeast of LeRoy, New York, just off Route 5.

SELLING: This fine herd of 120 top quality Registered Holstein Dairy Cattle featuring:

JEWEL PAT "EX-98" "2E" Reserve All-American Aged Cow 1978, 1st 100,000 lb. cow at the New York State Show 1981 and 2nd Aged Cow and Best Udder at the Central National 1978. Her records to 8-11 365 30,839 3.8 1150; her dam is "2E-92" with over 24,000 milk and over 1,065 fat; 2nd dam is "4E-95" "Gold Medal Dam" with over 26,000 milk and over 1,239 fat.

ALSO Featuring: 11 Cows with Index's over +1,000 and 21 Cows with Index's over +900. Plus many more high quality cattle with depth of pedigree, classification, and high production and butterfat.

Sires Represented: Elevation, Bootmaker, Valiant, Glen Valley Star, and others, plus a good group of calves and heifers sired by Pete, Tony, Valiant, Sezation, Bell, Mars, Tempo, Matt, Glondell, Virginian, Apache, Cavalier and R Maple.

Don't Miss This Golden Opportunity to purchase a deep-pedigreed Registered Holstein

Owner

JOHN J. SULLIVAN,

Erinwood Farm

LeRoy, NY

Ph. 716-768-2277

or 243-4644

SALE MANAGER AND AUCTIONEER

WILLIAM KENT, INC.

BERGEN, NY Ph. 716-494-1890

Public Auction Register

Closing Date - Monday, 5 00 P M
of each week's publication

WED. FEB 29 - 9 30 AM
Public Auction of Horse
Drawn Farm Machinery,
22 Head Holstein Heifers
from Stoltzfus Herd, 6
Work Horses Located 1
mi north of Gap Stephen
U Stoltzfus, Owner Steve
Petersheim, Auctioneer

MARCH

FRI MARCH 2 - 9 AM
Public Auction of Farm
Machinery Located at the
Belleville Livestock
Market

FRI MAR 2 - 10 AM
Horse Sale at New
Holland Sales Stables,
Inc 12 miles east of Lan-
caster off Rt 23 in New
Holland, Pa Abe Diffe-
bach, Manager

FRI APR 27 - 6 PM
Public Auction of 250-300
Head Heifers, all sizes,
Springing, Bred and Open
Heifers, some registered
Located at the Belleville
Livestock Market

SAT MARCH 3 - 20th Annual
Bart Twp Fire Co
Located in Georgetown,
on Rt. 896, 7 mi south of
Strasburg Larry LeFever,
Auctioneers

FRI. MAR 9 - 9 A.M.
Public Sale of Farm
Machinery at New Holland
Sales Stables, Inc. 12
miles east of Lancaster off

Rt 23 in New Holland, Pa
Abe Diffebach, Manager.

TUES MARCH 13 - 9 AM
Public Auction of Farm
Machinery, Farmall Trac-
tors, 20 Head of Heifers
and Antiques Located 2
mi east of Intercourse on
340 John L Zook, Owner
Steve Petersheim, Auc-
tioneer

SAT MARCH 17 - 9 30 AM
Public Auction of Farm
Equipment, Household
Goods and Antiques
Located between East
Petersburg and Manheim,
turn off of Rt 72 on West
Auction Rd., 1st
crossroad left Titus M.
Mary H, Eugene N and
Donna J Nolt, Owners
Robert E and Jeffrey R
Martin 656-7770, Auc-
tioneers

FRI MARCH 23 - 7 PM
and SAT MARCH 24 -
9.30 AM Public Auction of
Farm Toys. Located at
Historic Strasburg Inn
Second Annual Lancaster
Farm Toy Auction, Sale
and Show

FRI. MAR 23 - 10 AM
Horse Sale at New
Holland Sales Stables,
Inc. 12 miles east of Lan-
caster off Rt 23 in New
Holland, Pa. Abe Diffe-
bach, Manager.

SAT. MAR. 31 - 9 A.M.
CONSIGNMENT SALE
Const Equip., Trucks,
Trailers & Contrs. Equip.
to be held at Wall Stadium
property, located on Rt.
34 in Wall Township
(Belmar/Manasquan
area), N.J. Vilsmeier Auc-
tion Co., Inc

APRIL

FRI APRIL 6 - 9 AM
Public Sale of Farm
Machinery at New Holland
Sales Stables, Inc 12
miles east of Lancaster off
Rt 23 in New Holland, Pa
Abe Diffebach, Manager

FRI APRIL 13 - 7 PM
Horse Sale at New
Holland Sales Stables,
Inc 12 miles east of Lan-
caster off Rt 23 in New
Holland, Pa. Abe Diffe-
bach, Manager

SAT APR. 21, 1984 - 18th
Colonial Charolais Spring
Sale Located at Frederick
Fairgrounds, Frederick,
MD Colonial Charolais
Association Sponsors
Garey Cattle Sales, Inc.,
100 Walnut Lane, Mor-
risville, PA, Managers

FRI APR. 27 - 6 PM
Public Auction of 250-300
Head Heifers, all sizes,
Springing, Bred and Open
Heifers, some registered.
Located at the Belleville
Livestock Market

MAY

FRI MAY 4 - 7 P.M. Horse
Sale at New Holland Sales
Stables, Inc 12 miles east
of Lancaster off Rt 23 in
New Holland, Pa Abe Dif-
fenbach, Manager

SAT MAY 26 10 A M
Grade Heifer Sale at New
Holland Sales Stables,
Inc 12 miles east of Lan-
caster off Rt 23 in New
Holland, Pa Abe Diffe-
bach, Manager

JUNE

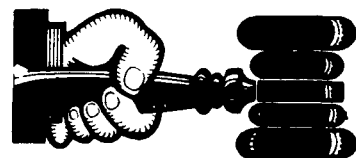
SAT JUNE 23 - Colonial
World Class Sale 2
Located at Adams

Charolais Farm, Spring-
field, OH. Sponsored
by Colonial Charolais
Association. Managed by
Garey Cattle Sales, Inc.,
100 Walnut Lane, Mor-
risville, PA 19067.

SAT. JUNE 23 - 10 A M
Registered Heifer Sale at
New Holland Sales
Stables, Inc 12 miles east
of Lancaster off Rt 23 in
New Holland, Pa Abe Dif-
fenbach, Manager

JULY

FRI JULY 6 - 7 P M
Horse Sale at New
Holland Sales Stables,
Inc 12 miles east of Lan-
caster off Rt 23 in New
Holland Pa Abe Diffe-
bach, Manager



AUCTIONEER'S DIRECTORY

NOTICE

To assure that your
Public Sale appears
in the Public Sale
Section we must
have your ad-
vertisement by 4
P.M. Tuesday of each
week's publication.

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We are now listing Fall Sales.

SPECIAL FRIDAY NIGHT HERD DISPERSAL



At New Holland Sales Stables, Inc.
New Holland, Penna.

DECEMBER 9, 1983

7:00 P.M.

Complete herd of 102 Holstein cows in all
stages of production. This is a good herd of
cows from a free stall barn milked in a parlor.
Milk cows are now averaging between 45 and 50
lbs. daily. 40 head to freshen Dec., Jan., and
Feb. Several cows just fresh milking real good.
Balance are bred for Summer freshening.

All cows will be vet checked for pregnancy,
vaccinated for shipping fever and have 30 day
TB and Blood Test.

Trucks Available.

Owners

WILLARD & GRACE STAUFFER
RD#1 Womelsdorf, Pa.

- Sale Managed by -
New Holland Sales Stables, Inc.

- Notice -

1200 tons corn silage and approx. 60 tons of
haylage For Sale. Contact owners at 215-219-
2845.

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- ★ BRED AND OPEN HEIFERS
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MULES.

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SORREL WITH WHITE MANES AND TAILS,
MATED TEAMS, WELL BROKE, 3 TO 5
YEARS.

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Whether you've got a little grain, a lot of grain or none at all, we've got the High Octane® ration for you. Choose from High Octane® Hog Chow® 38, High Octane® Hog Chow® 27 or High Octane complete feed, depending on your grain supply. You can expect High Octane performance from all three.



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And with High Octane Hog Chow 38, you can formulate a ration for nearly every lifestage. Simply adjust the ratio of grain to supplement, and add a special Purina Pak, if necessary. Your Purina Dealer can show you how.



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Best of all, with High Octane complete feeds, you don't have to worry about mixing and handling. For convenience and performance, there's nothing like High Octane complete feeds.

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